ANNUAL PROGRESS REPORT 2012-13

(FOR THE PERIOD APRIL 2012 TO MARCH 2013)

KRISHI VIGYAN KENDRA , HASSAN

PART I - GENERALINFORMATION 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, Kandali, 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 2013)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M/F	Discipline	Highest Qualification	Pay Scale	Basic pay	Date of joining KVK	Permanent /Temporary	Category
1	Programme Coordinator	Dr.B.S.Basavaraju	Programme Coordinator	M	Agricultural Entomology	M.Sc (Agril. Entomology)Ph.D	37400-67000	50720	14.12.2011	Permanent	SC
2	SMS	Dr.O.R.Nataraju	Associate Professor	M	Animal Science	BVSc, MVSc (Poultry),Ph.D	37400-67000	50720	26.06.2007	Permanent	ST
3	SMS	Dr.S.Channakeshava	SMS	M	Soil Science	M.Sc. (Agril in Soil Science) Ph.D	15600-39100	25810	26.10.2011	Permanent	GEN
4	SMS	Mr.M.Shivashankar	SMS	M	Home Science	M.Sc (Home Science)	15600-39100	25050	22.03.2007	Permanent	SC
5	SMS	Dr. Vinay Kumar R	SMS	M	Agricultural Extension	M.Sc (Agri Extension) Ph.D	15600-39100	21600	01.10.2012	Permanent	OBC
6	SMS	Mr. Krishna Reddy G.S.	SMS	M	Agril. Engg.	M.Sc (Agri. Engg.)	15600-	21600	01.10.2012	Permanent	OBC

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M/F	Discipline	Highest Qualification	Pay Scale	Basic pay	Date of joining KVK	Permanent /Temporary	Category
							39100				
7	SMS	Dr. T.S Manjunatha Swamy	SMS	M	Horticulture	M.Sc (Horti.) Ph.D	15600-39100	21600	17.10.2012	Permanent	SC
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	14320	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	14320	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	Saleem K.M.	Stenographer Grade III	M	-	BA	14500 consolidated	14500 consolidated	01.08.2012	Temporary	OBC
12	Driver	Mr. Vishwanath	Driver	M	-	9th pass	14550-350-26700	15600	17.10.2008	Permanent	SC
13	Driver	Manjunatha	Driver	M	-	SSLC	11600-200-21000	11600	14.08.2012	Permanent	OBC
14	Supporting staff	Mr. C.E. Ningaraju	Assistant Cook-cum-Caretaker	M	-	7^{th} pass	11000-200-19000	11000	17.10.2008	Permanent	SC
15	Supporting staff	Mr. Basavaraju M	Messenger	M	-	7th pass	12500-250-24000	13300	17.11.2007	Permanent	SC
16	Assistant	D. Venkataramu	Assistant	M	-	B.A.	8000 consolidated	8000 consolidated	25.10.12	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	-		
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	4,971.5	Good Condition
Tractor with trailor (TAFE),	Shifted from KVK, Magadi	-	2006.8	Not in Good Condition
Mini Bus (Swaraj Mazda)	2001	6,86,646.00	237282	Good Condition
Jeep (Mahindra Marshal)	2003	3,64,468.00	77,116	Good Condition
Motor Cycle (TVS)	2005	50,000.00	45695	Good condition
Motor Cycle (Honda Activa)	2009	49971.00	20180	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	Computer HCl Pentium Core 160 GB with accessories	2007	33,800.00	Good Condition
4	Photo copying Machine – (E- Studio 163 Toshiba)	2007	42,300.00	Good Condition
5	Konika Minolta Colour Printer	2007	26,520.00	Not in Good Condition
Equipments Purchased under RKVY				

Sl. No.	Name of the Equipment	Year of Purchase	Cost (Rs.)	Present Status
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
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	Not in 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 2012-13

Sl. No.	Date	Number of Participants	No. of absentees	Salient Recommendations	Action taken
1	04.06.2012	28	**7**	1. When farmers approach the KVK, the scientists should provide information about all the issues related to Agriculture and should not stick to their specialization.	Suggestion accepted
				2. Suggested to document the farmers visiting KVK and to publish the success story of FLD's and OFT's conducted by KVK.	Being documented and efforts are on to publish the success stories

Sl. No.	Date	Number of Participants	No. of absentees	Salient Recommendations	Action taken
				3. Suggested to document success story of Co3 fodder crop.	In progress
				4. To popularize Banana special and Vegetable special in the area	In progress and suggested SMS (Soil Science) to act upon
				5. Website of KVK to be launched and connected to District website	Launched in December 2011
				6. Suggested to strengthen the demo units of Piggery, Sheep and Goat rearing.	Suggestion being attended
				7. Suggested to take the suggestions of SAC members for preparing the Action plan of KVK.	Suggestion will be taken
				8. Suggested to formulate a committee under the chairmanship of Dean (Agri), College of Agriculture for farm development,	In progress
				9. Advised to revise the demonstrations in farm.	In progress
				10. Advised to establish crop museum in KVK.	Land is earmarked and will be implemented in Kharif 2013
				11. Suggested to share the results of FLD and OFT with the line departments	Results are shared in bimonthly workshops
				12. Praising the cooperation of scientists of KVK in implementation of Agriculture department programs suggested to give importance to Seed treatment in every training programs.	Given importance and being included in every training programs
				13. Suggested to give information to farmers about new technologies and bank loans.	Initiated
				14. Suggested to test the residue of pesticides present in soil, water and in Potatoes	Will be attempted
				15. Suggested to use minerals in stall feeding of sheep and goats	Will be given due importance

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 m in major areas and 450-800 m 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 m in major areas and 450-800 m in remaining areas Soils – Red sandy loam in major areas and black soils in some parts
3.	Southern transition zone	Elevation: 800-900 m in major areas and partly 450-800 m and in other areas 900-1500 m Rainfall: 700-1050mm rainfall spread out in three distinct periods as pre monsoon, monsoon and north east monsoon
4.	Hilly Zone	Elevation: 800-900 m in major areas, 900-1500 m 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 m 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 m 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

S. No	Agro ecological situation	Characteristics
5	Adverse soil AES 8	Scattered in all AES of zone ; Soil: Saline, acidic, alkaline Crop: paddy
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 m in major areas and 450-800 m in remaining areas. Soils are red sandy loam and deep black in remaining areas Crops-Jowar, groundnut, redgram, pulses, small millets, 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 m in major areas and 450-800 m 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	51625	182438	4050
2.	Ragi	78925	109774	1738
3.	Maize	68075	285429	68075
4.	Horse Gram	20300	7893	275
5.	Redgram	2500	1563	625

S. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)
6.	Green gram	11290	5260	465
7	Potato	20,647	1,06,220	5140
8	Sugar Cane	4645	219258	47200

*JDA office, Dept. of Agri. Hassan 2012-13 data

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
April	132.9	34.15	19.70	61.60
May	15.4	31.90	20.20	78.61
June	25.4	27.30	19.80	82.10
July	112.2	26.11	19.70	86.30
August	247.9	25.41	19.65	84.10
September	1.60	26.88	20.20	86.73
October	4.8	30.44	24.21	83.93
November	35.4	28.21	15.81	66.77
December	0.00	30.88	14.67	60.93
January	0.00	31.33	14.13	50.06
February	0.00	31.70	15.31	57.31
March	33.60	32.81	19.45	59.61
Mean	**609.2**	**29.76**	**17.68**	**71.50**

* 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

Category	Population	Production	Productivity
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	-	-	-
*Inl*and	-	-	-
Prawn	-	-	-
Scampi	-	-	-
Shrimp	-	-	-

*** Livestock census 2007**

2.7 **District profile has been Updated for 2011-12 Yes / No:** Yes

2.8**Details of Operational area / Villages**

S.No.	Taluk/ block	Name of cluster villages		Major crops & enterprises being practiced	Major problems identified	Identified thrust areas based on problems	If existing from which year Please state
		Existing	New				
1	Alur	Magge, Kirugadalu,, Bharathavally Manipura, Ballupete	Rayarakoppalu Kunduru, Kallikoppalu	Dairy, poultry, sheep and goat , Fishery, Value addition Ginger	Calf mortality, poor body weight and disease outbreaks Low production in fisheries, lack of knowledge in value addition Soft rot and shoot borer problem in Ginger	De worming , and disease management Fish production , Post harvest processing and value addition Management of soft rot and shoot borer in Ginger	2009-10 2009-10
2	Arasikere	Hiresadarahalli, Soppinahalli, Gandsi, Boranakoppalu, Gijihalli Mududi, Doddenahally, Mellahally, Kalgundi, Nagathihally, Adihally,	Adihalli, Bagashvara	Ragi, Maize, cowpea, Horsegram, Red gram Storage of pulses Stored grain pests	Low yields, use of local varieties, imbalanced nutrient management Poor management of pulse storage Pulse beetle menace in storage condition	Introduction of HYV, INM Post harvest processing and value addition Management of Pulse beetle menace in storage condition	- 2009-10

S.No.	Taluk/ block	Name of cluster villages		Major crops & enterprises being practiced	Major problems identified	Identified thrust areas based on problems	If existing from which year Please state
		Existing	New				
		Sulekere					
3	Arakalgud	Kabaligere, Ramanathapura		Ginger	High incidence of sheath blight, Soft rot and shoot borer problem in Ginger	Management of Soft rot and shoot borer problem in Ginger	
4	Belur	Thattehally, Rajanahally, Halebeedu Lingappana koppalu, Kodihallybare, Marenahally, Gangoor, Shettyhally	Kommanahally	Dairy poultry Cotton, ginger	Calf mortality, Disease out break Severe infestation of bollworm, sucking pests, leaf reddening and square dropping in DCH-32 cotton, Soft rot and shoot borer problem in Ginger	De worming, disease management Disease management Management of Soft rot and shoot borer problem in Ginger	2009-10
5	Channarayapatna	Bandihalli, Baralu, Dammaningala, Kumbarahally, Annenahalli, Cholenahalli	Gowdanagere	Sheep and goat Potato, coconut	Poor body weight and disease out breaks Late blight in potato Coconut stem bleeding , Rhinoceros beetle and red palm weevil menace Lack of knowledge of pheromone traps	De worming and disease management Late blight management Coconut stem bleeding management Management of coleopteran pests through pheromone traps	-
6	Hassan	Dasarakoppalu,, Manichonahalli, H Mylanahally, Hosakoppalu,	Rajanahally, Koravangala gate, Dyavalapura, Gowdagere. Bylahalli	Piggery, Dairy , Poultry, Sheep and goat farming Fisheries, Ginger, Potato, Coconut	Piglet anemia, Calf mortality, Mortality in backyard poultry, Poor body weight in stall fed sheep and goats Low Production in Fisheries Shoot borer in paddy, Ginger soft rot problem , Soft rot and shoot borer problem in Ginger	Disease management, De worming, castration, calf management Fish production Soft rot management in Ginger, Shoot borer management in Ginger	2007-08 2009-10
7	Holenarsipur	Hallymysore, Kasaba, Kinnarahally		Areca nut, Coconut, Sugarcane, Potato, Paddy, Vegetables, Ragi, Dairy , Fodder crops	Bud rot in areca nut Coleopteran pests on coconut Sugarcane shoot borer Late blight in potato Spodoptera menace on potato Poor milk production and disease	IPM, IDM, INM, ICM, Dairy management, introduction of fodder Varieties	New

S.No.	Taluk/ block	Name of cluster villages		Major crops & enterprises being practiced	Major problems identified	Identified thrust areas based on problems	If existing from which year Please state
		Existing	New				
					incidence, Low yield in vegetables Inproper pulse storage Use of local and low yielding cereals Green Fodder scarcity		
8	Sakleshpura	Halasulige, Igoor, Eshwarahally, Sakaleshpura, Kuppali, Huchangi, Karagoor, Iguru	Karagu, Kupahalli	Piggery, backyard poultry, paddy, Ginger	Poor body weight disease outbreak. Non adoption of improved variety. low yield due to Potassium & Zinc Deficiency Cereals and pulse storage, Soft rot and shoot borer problem in Ginger	De worming, castration, Disease management. introduction of HYV, INM in paddy Management of Soft rot and shoot borer problem in Ginger	2011-12

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
5	5	25	25	27	27	330	307

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
127	154	2540	5922	21	5637	-	1,27,986

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
Redgram-3.05	Redgram-3.05	Arecanut -496	Arecanut -496
Co-3-115765 No	Co-3-115765 No	Chakramuni -422	Chakramuni -422
Hebbal Avare- 0.05	Hebbal Avare- 0.05	Drumstick -4790	Drumstick -4790
Sunhemp- 3.5	Sunhemp- 3.5	Insulin -412	Insulin -412
Cowpea- 0.28	Cowpea- 0.28	Lemon -102	Lemon -102
Potato – 0.31	Potato – 0.31	Mango -1689	Mango -1689
Ragi- GPU-28- 10	Ragi- GPU-28- 10	Papaya -3666	Papaya -3666
Ragi- GPU-48- 12	Ragi- GPU-48- 12	Silver Oak -2930	Silver Oak -2930
Ragi MR- 66 – 1.5	Ragi MR- 66 – 1.5	Jack –375	Jack –375
Ragi ML – 365 - 8	Ragi ML – 365 - 8	Tamarind- 375	Tamarind- 375
Paddy- Thunga -30.66	Paddy- Thunga -30.66	Coconut 1500	In Progress

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
Milk- 8000 Liters	9970.75 Liters	Earth worm 50	Earth worm 84.5
Poultry- 5000 Birds	3970Birds		
Piglets- 60	Piglets-37		
Lambs -8	Lambs -18		

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	
1	Balanced nutrition	Piggery	High cost of concentrate feed	Replacement of concentrate feed with Azolla in piggery	Management of swine fever	1	-	-	2	-	-	Piglets	-	-
2	Soil test based nutrient management	Maize	Low yield due to Micronutrient Deficiency, Low nutrient status of soil & Imbalanced nutrient Management	Foliar application of Maize through Maize Max (Macro & Micronutrient Mixture)	Soil Test Crop Response Approach for higher yield in maize	1	-	1	-	-	-	-	-	-
3	Productivity and fertilizer use efficiency in coffee	Coffee	loss of fertilizer nutrients due to high rainfall	Foliar application of nutrients to enhance the fertilizer use efficiency in Coffee	-	1	-	-	-		-	-	-	-
4	Management of Boron	Cucumber	Flower and fruit dropping in Cucumber	Boron Management in Cucumber	-	1	-	-	-	-	-	-	-	-
5	Integrated Crop, Pest and Disease Management	Ginger	Shoot borer problem	Management of Shoot Borer through Sequential Spray in Ginger	-	1	-	-	-	-	-	-	-	-
6	Improved cultivation practices	Ragi	Low yield and imbalanced nutrient management	-	Integrated crop management in Ragi KMR 204	2	-	-	1	1.25	-	-	-	-
7	Nutrient management under high rainfall hilly area	Paddy	Low yield and chaffy grain due to Potassium deficiency and low N use efficiency	-	ICM in paddy in hilly area, Variety: Tunga/BR-2655	1	-	-	-	2.5	-	-	-	-
8	Integrated crop management	Paddy	Low yield and imbalanced	-	Integrated crop management in paddy var KCP-1	1	-	-	1	2.5	-	-	-	-
9	Integrated crop Management in paddy	Paddy	Non availability of suitable varieties for summer	-	Integrated crop management in summer paddy KMP-105 (Raksha)	-	-	-	-	6.25	-	-	-	-
10	Fodder cultivation	Sorghum (fodder crop)	Green fodder scarcity	-	Introduction of multi cut sorghum variety COFS-29	1	-	-	-	-	-	-	-	-
11	Integrated trash management	Sugarcane	Sugarcane Trash management	-	Integrated Sugarcane Trash management	1	-	-	-	-	-	-	-	-
12	Integrated Crop,	Nursery	Snails menace	-	Management of	2	-	-	-	-	-	-	-	-

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (Extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
	Pest and Disease Management				Snail, Achatina Fulica in Nursery/ Agril. Crops									
13	Integrated crop management	Tomato	Low yield due to Leaf blight Deficiency of Nutrients (Ca, Mg and Zn)	-	Integrated Crop Management (ICM) in Tomato	1				40 grams			Trichoderrma	1 kg
14	Varietal Introduction	Drumstick	Low yielding Local varieties	-	Introduction of high yielding Drumstick variety Bhagya	1			1		625			
15	Varietal Introduction	Amaranthus	Low yielding Local single cut varieties	-	Introduction of multi cut Amaranth variety Arka Arunima	1				0.02				
16	Varietal Introduction	Palak	Low yielding Local pulling type varieties	-	Introduction of multi cut variety Arka Anupama	1				0.50				
17	Integrated crop management	Cabbage	Over dosage of fertilizers and low yield	-	Integrated crop Management in Cabbage	1	-	-	-	-	-	-	-	-
18	Integrated crop management	Mango	Flower dropping / fruit fly /hopper / powdery mildew / anthracnose	-	Integrated Crop Management (ICM) in Mango	1								
19	Integrated Crop, Pest and Disease Management	Potato	Defoliation and tuber damage by *Spodoptera*	-	Poison bait for management of *Spodoptera* in potato	-	-	-	-	-	-	-	-	-
20	Integrated Crop, Pest and Disease Management	Potato	Potato Mite	-	Management of Mite in Potato	4	-	-	1	-	-	-	-	-
21	Integrated Crop, Pest and Disease Management	Coconut	Improper management of disease	-	Integrated pest and Disease management in Coconut	1	-	-	-	-	-	-	-	-
22	Integrated Crop, Pest and Disease Management	Coconut	IPM in coconut	-	IPM in Coconut	3	-	-	-	-	-	-	-	-
23	Fish production	Fisheries	Low production	-	Fish culture in fresh water	-	-	-	-	Catla: 24,000 and Roho : 14000	-	-	-	-
24	Seed Production	Fisheries	Scarcity of the seeds	-	Fry to Fingerling seed Production of Catla	1	-	-	-	1 lakh	-	-	-	-

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	
25	Management	Dairy	Poor production and frequent mastitis	-	Integrated Dairy Management	1	1	-	4 field visit + 6Veterinary Health camps	-	-	-	-	-
26	Mechanization in Dairy	Dairy	Inefficient consumption of green fodder	-	Use of Chaff cutter	1	-	-	-	-	-	-	-	-
27	Scientific management	Sheep and Goat	Poor body weight and frequent disease out breaks	-	Management of stall fed sheep and goat	-	1	-	1	-	-	-	-	-
28	Backyard poultry	Turkey	Popularization of Alternative species for backyard	-	Introduction of turkey birds for backyard	1	-	-	1	-	-	-	-	-
29	Backyard poultry	Poultry	Frequent Disease outbreaks	-	Disease management in backyard poultry	1	-	-	1	-	-	-	-	-
30	Pest control in grains	Pulse	Stored grain pest Management	-	Stored grain pest management	1	-	-	-	-	-	-	-	-

3.B2. Details of technology used during reporting period

Sl.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	Replacement of concentrate feed with Azolla in piggery	TANUVAS,Tamilnadu	Piggery	5		2	3 Diagnostic field visit
2	Foliar application of Maize through Maize Max (Macro & Micronutrient Mixture)	TNAU, Tamilnadu	Maize	5	-	2	-
3	Foliar application of nutrients to enhance the fertilizer use efficiency in Coffee	Coffee Board, Balehonnur	Coffee	5	-	1	3 Field visit
4	Boron Management in Cucumber	IIHR, Bangalore	Cucumber	5	-	1	-
5	Management of Shoot Borer through Sequential Spray in Ginger	IISR, Calicut	Ginger	5	-	1	-
6	Soil Test Crop Response Approach for higher yield in Maize	UAS, Bangalore	Maize		10	-	-
7	Integrated crop management in Ragi KMR 204	UAS, Bangalore	Ragi		25	2	1 Field day
8	ICM in Paddy in hilly area, Variety: Tunga/BR-2655	UAS, Bangalore	Paddy		10	1	
9	Integrated crop management in Paddy var KCP-1	UAS, Bangalore	Paddy		10	1	1 Field day
10	Integrated crop management in summer Paddy KMP-105 (Raksha)	UAS, Bangalore	Paddy		10	-	-
11	Introduction of multi cut sorghum variety COFS-29-1	UAS, Bangalore	Sorghum (Fodder)		10	-	-
12	Integrated Sugarcane Trash management	UAS, Bangalore	Sugarcane		10	1	-
13	Management of Snail, Achatina Fulica in Nursery/ Agril. Crops	UAS, Bangalore	Nursery		25	2	-
14	Integrated Crop Management (ICM) in Tomato	IIHR, Bangalore	Tomato		4	-	1 Field visit
15	Introduction of high yielding Drumstick variety Bhagya	UHS, Bagalkot	Drumstick		5	1	1 Field day
16	Introduction of multi cut Amaranth variety Arka Arunima	IIHR, Bangalore	Amaranthus		8	1	4 Field visit
17	Introduction of multi cut variety Arka Anupama	IIHR, Bangalore	Palak		10	1	3 Field visit
18	Integrated crop Management in Cabbage	UAS, Bangalore	Cabbage		10	1	-
19	Integrated Crop Management (ICM) in Mango	IIHR, Bangalore	Mango		10	-	3 Field visit
20	Poison bait for management of Spodoptera in Potato	UAS, Bangalore	Potato		10		
21	Management of Mite in Potato	UAS, Bangalore	Potato		32	4	1

Sl.No.	Title of Technology	Source of technology	Crop/enterprise	No.of programmes conducted			
				OFT	FLD	Training	Others (Specify)
22	Integrated pest and Disease management in Coconut	UAS, Bangalore	Coconut		10	1	-
23	IPM in Coconut	UAS, Bangalore	Coconut		10	3	-
24	Fish culture in fresh water	UAS, Bangalore	Fisheries		7	-	-
25	Fry to Fingerling seed Production of Catla	UAS, Bangalore	Fisheries		4	1	-
26	Integrated Dairy Management	KVAFSU,Bidar	Dairy		10	2	4 diagnostic field visits +6 Veterinary health camps
27	Use of Chaff cutter	TANUVAS, Tamil nadu	Dairy		10	-	1 Field visit
28	Management of swine fever	IAH & VB,KVAFSU, Bidar	Piggery		5	1	2 field visits
29	Management of stall fed sheep and goat	TANUVAS,Chennai	Stall feeding of sheep and goat		3	1	1 Field visit
30	Introduction of turkey birds for backyard	TANUVAS,Chennai	Poultry		10	1	1 Field visit
31	Disease management in backyard poultry	TANUVAS,Chennai	Poultry		10	2	4 Field visits
32	Stored grain pest management	Centre for Indian knowledge systems (CIKS), Chennai	Pulses		10	-	-

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
	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	5	-	-	-	-	-	-	-	15	6	-	-	6	-	4	-
2	5	-	-	-	-	-	-	-	34	10	3	-	-	-	-	-
3	20	-	-	-	-	-	-	-	20	-	-	-	8	2	-	-
4	5	-	-	-	-	-	-	-	16	2	2	-				
5	9	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
6	-	-	-	-	10	-	-	-								
7	-	-	-	-	25	-	-	-	72	-	-	-	59	51	-	-
8	-	-	-	-	10	-	-	-	31	1	4	-	-	-	-	-
9	-	-	-	-	10	-	-	-	21	4	-	-	28	13	2	2
10	-	-	-	-	24	1	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	9	-	1	-	10	6	3	4	-	-	-	-
12	-	-	-	-	10	-	-	-	7	5	-	-	-	-	-	-
13	-	-	-	-	17	8	-	-	36	9	-	-	-	-	-	-
14	-	-	-	-	4	-	-	-	-	-	-	-	10	2	-	-
15	-	-	-	-	4	-	1	-	30	7	-	-				
16	-	-	-	-	4	3	1	-	26	13	1	-	10	2	-	-
17	-	-	-	-	4	3	1	-	26	13	1	-	10	2	-	-
18	-	-	-	-	9	1	-	-	20	5	2	-	-	-	-	-
19	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	9	-	1	-	-	-	-	-	-	-	-	-
21	-	-	-	-	31	-	1	-	116	2	3	-	84	63	-	-
22	-	-	-	-	10	-	-	-	24	-	1	-	-	-	-	-
23	-	-	-	-	10	-	-	-	69	3	2	-	-	-	-	-
24	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	2	-	2	-	9	-	10	5	-	-	-	-
26	-	-	-	-	5	-	-	-	18	-	18	-	256	101	166	92
27	-	-	-	-	-	10	-	-	16	2	6	-	-	-	-	-
28	-	-	-	-	5	-	-	-	30	2	7	-	16	-	-	-

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
	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
29	-	-	-	-	3	-	-	-	7	-	4	-	-	-	-	-
30	-	-	-	-	10	-	-	-	21	-	-	-	7	-	-	-
31	-	-	-	-	10	-	-	-	26	6	14	-	30	9	-	-
32	-	-	-	-	8	1	1	-	-	-	-	-	-	-	-	-

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	1	-	-	-	1	-	-	1	-	3
Varietal Evaluation	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	1	-	-	-	-	1
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	1	-	-	-	2	-	-	1	-	4

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	-	-	1	-	-	1
Disease of Management	-	-	-	-	-	-
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 (Per trail covering all the Technological Options)
Integrated Nutrient Management	Maize	Foliar application of Maize through Maize Max (Macro & Micronutrient Mixture)	5	5	1
	Coffee	Foliar application of nutrients to enhance the fertilizer use efficiency in Coffee	5	20	1
	Cucumber	Boron Management in Cucumber	5	5	1
Varietal Evaluation	-	-	-	-	-
Integrated Pest Management	Ginger	Management of Shoot Borer through Sequential Spray in Ginger	5	9	
	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-
	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-
	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-
	-	-	-	-	-
Weed Management	-	-	-	-	-
	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-
	-	-	-	-	-
Farm Machineries	-	-	-	-	-
	-	-	-	-	-

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trail covering all the Technological Options)
Integrated Farming System	-	-	-	-	-
	-	-	-	-	-
Seed / Plant production	-	-	-	-	-
	-	-	-	-	-
Value addition	-	-	-	-	-
	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-
	-	-	-	-	-
Storage Technique	-	-	-	-	-
	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-
	-	-	-	-	-
Total	-	-	20	39	3

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 (Per trail covering all the Technological Options)
Integrated Nutrient Management	-	-	-	-	-
	-	-	-	-	-
Varietal Evaluation	-	-	-	-	-
	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-
	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-
	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-
	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-
	-	-	-	-	-
Weed Management	-	-	-	-	-
	-	-	-	-	-

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trail covering all the Technological Options)
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	Piggery	Replacement of concentrate feed with Azolla in piggery	5	5
Disease management	-	-	-	-
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:Replacement of concentrate feed with Azolla in piggery

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
Piggery	-	High cost of concentrate feed	Replacement of concentrate feed with Azolla in piggery	5	Introduction of Azolla as feed in piggery	Body weight and Age at puberty	-	Body weight was better in garbage supplemented group but age at puberty was better in azolla supplemented group	-	-	-

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	Age at puberty (Months)	Body weight at 10^{th} month of age (Kgs)	16	17	18
Technology option 1 (Farmer's practice) : Feeding Garbage	-	9.5	70.8	-	2484	1.78
Technology option 2 : Garbage (5-6 Kg)+ concentrate feed (2 Kg)	KVAFSU,Bidar	8.2	78.6	-	588	1.10
Technology option 3: Garbage (5-6 Kg)+ concentrate feed (1.5 Kg)	TANUVAS,Chennai	8.5	76.2	-	296	1.05

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:	Replacement of concentrate feed with Azolla in piggery
2	Problem Definition:	Low fertility performance with garbage feeding
3	Details of technologies selected for assessment:	T1 : Feeding Garbage, T2 : Garbage (5-6 Kg)+ concentrate feed (2 Kg), T3: Garbage (5-6 Kg)+ concentrate feed (1.5 Kg)
4	Source of technology	TANUVAS, Chennai
5	Production system and thematic area	Piggery farming
6	Performance of the Technology with performance indicators	Even though body weight is low, option 2 and 3 improves the fertility
7	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	Incidence of prolonged puberty is lowered
8	Final recommendation for micro level situation:	Azolla supplementation can only reduce the feed cost and increase the body weight to the extent of 11% and 7.6% in option 1 & 2 respectively,compared to option1
9	Constraints identified and feedback for research:	Nil
10	Process of farmers participation and their reaction:	Good

Results of On Farm Trial – 2: Foliar application of Maize through Maize Max (Macro & Micronutrient Mixture)

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	Irrigated	Micronutrient deficiencies (Zinc &Boron)	Foliar application of Maize through Maize Max (Macro & Micronutrient Mixture)	5	Foliar application of Maize Max	Number of grains/row Number of Rows/cob	T1:45.2 T2:48.5 T3:52.6 T1:16.5 T2:17.40 T3:18.2	Grain Yield (q/ha) 55.50 58.20 62.50	Farmers Expressed good opinion about the technology but Demanding the maize maxim to be given under subsidy through Dept of Agril	Influence of particular element for increase in yield to be assessed separately	Since the material contains both macro & micronutrinet in mixture should be quantified along with its use efficiency

Trial No	**Average Nutrient status of soil under trial plot**					
1	Available Nitrogen(kg/ha)	Available Phosphorus(kg/ha)	Available Potassium(kg/ha)	Available Sulphur(kg/ha)	Available Zinc(ppm)	Available Boron (ppm)
	241.5	**26.24**	**114.8**	**7.74**	**0.50**	**0.20**

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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)	-	55.5	q/ha	47350=00	2.90
Technology option 2 : Recommended practice 100:50:25 + 10 kg/ha Zinc Sulphate	UAS, Bangalore	58.20	q/ha	50060=00	2.94
Technology option 3 : Recommended practice 100:50:25 + 10 kg/ha Zinc Sulphate+Foliar spray of Maize Maxim	TNAU, Coimbatore	62.5	q/ha	53650=00	2.95

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:	Foliar application of Maize through Maize Max (Macro & Micronutrient Mixture)
2	Problem Definition:	Micronutrient Deficiency in soil which decreased yield by 10-15 %
3	Details of technologies selected for assessment:	T1: Farmers Practice, T2: RDF + Zinc Sulphate@ 10 kg/ha T3: RDF + Zinc Sulphate@ 10 kg/ha+ Foliar Spray of Maize Maxim @ 3.0 kg/ha at Tassle initiation and silking
4	Source of technology	TNAU, Coimbatore
5	Production system and thematic area	Irrigated and Micronutrient Management
6	Performance of the Technology with performance indicators	Yield and yield parameters like Number of grains/row, Number of rows/cob
7	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	The farmers expressed good opinion about the technology but they expressed difficulty of spraying at tassle and silk stage of maize
8	Final recommendation for micro level situation:	It is recommended to spray @ 3kg/ha
9	Constraints identified and feedback for research:	Non availability of inputs
10	Process of farmers participation and their reaction:	Good participation at each activity with critical observation by the farmers about the technology

Results of On Farm Trial-3: Foliar application of nutrients to enhance the fertilizer use efficiency in Coffee

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
Coffee	Irrigated	loss of fertilizer nutrients due to high rainfall	Foliar application of nutrients to enhance the fertilizer use efficiency in Coffee	5	Foliar application of nutrients to enhance the fertilizer use efficiency in Coffee	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) : Imbalanced soil application of fertilizer nutrients (DAP-250kg, Urea – 125 kg & MOP – 125 kg/ha)	-	In Progress			
Technology option 2 : RDF- N:P:K::120:90:120 Kg/ha	UAS, Bangalore				
Technology option 3 : RDF- N:P:K::120:90:120Kg/ha Plus foliar application of water soluble fertilizer nutrients (N;P:K) @ 4 g/litre	Coffee Board, Balehonnur				

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:	Foliar application of nutrients to enhance the fertilizer use efficiency in Coffee
2	Problem Definition:	loss of fertilizer nutrients due to high rainfall
3	Details of technologies selected for assessment:	T1: Imbalanced soil application of fertilizer nutrients (DAP-250kg, Urea – 125 kg & MOP – 125 kg/ha) T2: RDF- N:P:K::120:90:120 Kg/ha, T3: RDF- N:P:K::120:90:120Kg/ha Plus foliar application of water soluble fertilizer nutrients (N;P:K) @ 4 g/litre
4	Source of technology	Coffee Board, Balehonnur
5	Production system and thematic area	Irrigated and foliar nutrition
6	Performance of the Technology with performance indicators	Yield and yield Parameters
7	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	Farmers expressing good vegetative growth, flowering and expecting good yield
8	Final recommendation for micro level situation:	-
9	Constraints identified and feedback for research:	-
10	Process of farmers participation and their reaction:	Good participation at each activity with critical observation by the farmers about the technology

Results of On Farm Trial-4 :Boron Management in Cucumber

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
Cucumber	Irrigated	Flower and fruit drop due to Boron deficiency	Boron Management in Cucumber	5	Foliar spray of 25 ppm of Boron @ 7th leaf stage of crop	Number of Fruits/vine Fruit weight (gm)	T1:7.20 T2:9.80 T3:12.0 T1:165.60 T2:189.6 T3:202.6	12900 14000 15420	Farmers response was very good and like to continue the technology for next season	Assessment of other parameters needed in detail	Since the material contains both macro & micronutrinet in mixture should be quantified along with its use efficiency

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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) : (50:50:50 kg/ha NPK)	-	12900	Kg/ha	36000	3.28
Technology option 2 : RDF:60:50:80 kg/ha NPK	UAS, Bangalore	14000	Kg/ha	39200	3.33
Technology option 3 : RDF+ Foliar spray of 25 ppm of Boron and 1% Urea for three times at 10 days interval from 7th leaf of crop	IIHR Bangalore	15420	Kg/ha	44730	3.63

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:	Boron Management in Cucumber
2	Problem Definition:	Micronutrient Deficiency in soil which decreased yield by 10-15 %
3	Details of technologies selected for assessment:	Farmers practice: T1: farmers Practice (50:50:50 kg/ha NPK), T2: RDF:60:50:80 kg/ha NPK T3: RDF+ Foliar spray of 25 ppm of Boron and 1% Urea for three times at 10 days interval from 7th leaf of crop
4	Source of technology	IIHR Bangalore
5	Production system and thematic area	Irrigated and Micronutrient Management
6	Performance of the Technology with performance indicators	Yield and yield parameters like Number of fruits/,Fruit weight
7	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	Framers convinced about the flower retention and fruit yield/ vine and would like to continue the technology in future
8	Final recommendation for micro level situation:	Foliar spray of 25 ppm of Boron with 1% of Urea solution
9	Constraints identified and feedback for research:	The quantity should be accurate otherwise toxic to the plant which induces stunted growth
10	Process of farmers participation and their reaction:	The participation and involvement of farmers was good and recorded observation at all the stages of crop

Results of On Farm Trial -5:Management of Shoot Borer through Sequential Spray 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	Management of Shoot Borer through Sequential Spray in Ginger	5	Application of Dimethoate@1.7ml/l followed by Lambda cyhalothrin @1ml/l	% shoot damage	T1: 76.00 T2:10.98 T3: 0.00 T4: 0.00	(No. of dead hearts) T1: 6.26 T2: 0.40 T3: 0.00 T4: 0.00	Farmers obtained good results after spraying Lambda cyhalothrin	Accepted for POP	-

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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) :Neem oil@5ml/l, Chlorpyriphos @3ml/l	-	15.15	t/ha	3,92,000	7.25
Technology option 2 : Dimethoate @ 1.7ml/l	UAS (B)	16.58	t/ha	4,40,000	7.09
Technology option 3 : Lambda cyhalothrin@1ml/l	IISR (Calicut, Kerala)	17.30	t/ha	4,58,000	8.54
Technology option 4: Dimethoate@1.7ml/l followed by Lambda cyhalothrin @1ml/l	-	17.34	t/ha	4,60,000	8.59

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:	Management of Shoot Borer through Sequential Spray in Ginger
2	Problem Definition:	Economic loss due to Shoot borer menace
3	Details of technologies selected for assessment:	T 1: Neem oil@5ml/l, Chlorpyriphos @3ml/l, T2 2 : Dimethoate @ 1.7ml/l, T 3 : Lambda cyhalothrin@1ml/l, T 4: Dimethoate@1.7ml/l followed by Lambda cyhalothrin @1ml/l
4	Source of technology	-
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 of 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 (best performing Technology 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 following details:

1. Title of Technology refined
2 Problem Definition
3 Details of technologies selected for refinement
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 2012-13

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)/ Units		No. of farmers/ demonstration			Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	Others	Total	
	Oilseeds													
	Pulses													
	Cereals													
1	Cereals	Rainfed	Kharif 2012	Maize	-	Hema	STCR approach for targeted yield	Soil Test Crop Response Approach for higher yield in Maize	5	5	-	10	10	Uncertainty of rainfall
2	Cereals	Irrigated	Kharif 2012	Paddy	Tunga/BR-2655	-	ICM in High rainfall hilly area	ICM in paddy in hilly area, Variety: Tunga/BR-2655	5	5	-	10	10	-
3	Cereals	Irrigated	Kharif 2012	Paddy	KCP-1	-	ICM in KCP-1	Integrated crop management in paddy var KCP-1	5	5	-	10	10	Insufficient water due to low rainfall
4	Cereals	Irrigated	Summer2013	Paddy	KMP-105 (Raksha)	-	ICM in short duration summer paddy	Integrated crop management in summer paddy KMP-105 (Raksha)	5	5	2	8	10	Low water table and insufficient water
5	Millets	Rainfed	Kharif 2012	Ragi	KMR 204	-	ICM with drought tolerant and	Integrated crop management in Ragi KMR 204	10	10	5	20	25	

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)/ Units		No. of farmers/ demonstration			Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	Others	Total	
							short duration Variety							
6	Vegetables	Irrigated	Kharif 2012	Tomato	Arka Rakshak	-	Integrated Crop management with Varietal introduction	Integrated Crop Management (ICM) in Tomato	2	2	-	10	10	
7	Vegetables	Irrigated	Kharif 2012	Drumstick	Bhagya	-	Varietal Introduction	Introduction of high yielding drumstick variety Bhagya	2	2	1	4	5	
8	Vegetables	Irrigated	Kharif 2012	Amaranthus	Arka Arunima	-	Varietal Introduction	Introduction of multi cut Amaranth variety Arka Arunima	4	4	-	20	20	
9	Vegetables	Irrigated	Kharif 2012	Palak	Arka Anupama	-	Varietal Introduction	Introduction of multi cut variety Arka Anupama	2	2	-	10	10	
10	Vegetables	Irrigated	Kharif 2012	Cabbage	Sandoze	-	ICM in cabbage	Integrated crop Management in Cabbage	5	5	-	10	10	-
11	Vegetables	Rainfed	Kharif 2012	Potato	Kufri Jyothi	-	IPM	Poison bait for management of *Spodoptera* in potato	4	4	1	9	10	
12	Vegetables	Rainfed	Kharif	Potato	Kufri Jyothi	-	IPM	Management of Mite in Potato	10	10	1	31	32	
	Flowers					-								
	Ornamental					-								
13	Fruit	Rainfed	Kharif 2012	Mango	Badami	-	ICM	Integrated Crop Management in Mango	4	4	-	10	10	
	Spices and condiments					-								
						-								
14	Commercial	Rainfed	Summer 2013	Sugarcane	Co-86032	-	Integrated trash management	Integrated Sugarcane Trash management	5	5	-	10	10	Scarcity of labour and high cost of labour
	Medicinal and aromatic					-								
15	Fodder	Rainfed	Kharif 2012	Multi cut sorghum	COFS-29	-	Fodder production	Introduction of multi cut sorghum variety COFS-29-1	5	5	1	9	10	
16	Plantation	Rainfed	Kharif 2012	Coconut	Local	-	IPDM	Integrated Pest	4	4	-	10	10	

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)/ Units		No. of farmers/ demonstration			Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	Others	Total	
								and Disease management in Coconut						
17	Plantation	Rainfed	Kharif 2012	Coconut	Local	-	IPM	IPM in Coconut	10	10	-	10	10	
	Fibre					-								
18	Dairy	-	2012	Dairy	Cross bread	-	Scientific management	Integrated Dairy Management	10 animals	10	-	5	5	
19	Backyard poultry	-	2012	Poultry	BBB BBLW	-	Introduction and popularization of new species	Introduction of turkey birds for backyard	100 birds	100 birds	-	10	10	
20	Backyard poultry	-	2012	Poultry	Desi/ Giriraja	-	Health management	Disease management in backyard poultry	100 birds	5000birds	-	10	10	
	Rabbitry					-								
21	Piggery	-	2012	Piggery	Yorkshire cross	-	Health management	Management of swine fever	60 animals	60 animals	-	5	5	
22	Sheep and goat	-	2012	Stall feeding of sheep and goat	Local cross	-	Scientific management	Management of stall fed sheep and goat	300 animals	300 animals	-	3	3	
	Duckery					-								
23	Fisheries	Rainfed	Kharif 2012	Fishery	Catla, Rohu,	-	Fish Production	Fish culture in fresh water	2.8	2.8	7	-	7	-
24	Fisheries	Rainfed	Kharif 2012	Fishery	Catla	-	seed rearing survivability	Fry to Fingerling seed Production of Catla	4 Units	4 Units	2	2	4	Seed rearing concept for duration of 40 to 50 days
	Mussels					-								
	Ornamental fishes					-								
	Oyster mushroom					-								
	Button mushroom					-								
	Vermicompost					-								
	Sericulture					-								
	Apiculture					-								
25	Implements	Fodder	Rabi 2012	Fodder	-	-	Inefficient consumption	Use of Chaff cutter	10	10	-	10	10	

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)/ Units		No. of farmers/ demonstration			Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	Others	Total	
							of green fodder							
26	Others Storage	-	Rabi 2012	Pulse	-	-	Pest control in pulses	Stored grain pest management	5	5	1	9	10	-
27	Nursery			Nursery	-	-	IPM	Management of Snail, *Achatina fulica*in Nursery/ Agril. Crops	10	10	-	25	25	

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 (kg/ha)			Previous crop grown
										N	P	K	
	Oilseeds												
	Pulses												
1	Cereals	Rainfed	Kharif	Maize		Hema	Soil Test Based Nutrient Management	Soil Test Crop Response Approach for higher yield in Maize	Kharif 2012-13	294.0	35.60	158.45	Cowpea
2	Cereals	Irrigated	Kharif	Paddy	Tunga/BR-2655	-	Nutrient Management in high rainfall hilly area	ICM in paddy in hilly area, Variety: Tunga/BR-2655	Kharif 2012-13	540.0	38.00	188.45	Horse gram
3	Cereals	Irrigated	Kharif	Paddy	KCP-1		ICM in paddy	Integrated crop management in paddy var KCP-1	Kharif 2012-13	398.0	38.94	206.35	Avare
4	Cereals	Irrigated	Summer	Paddy	KMP-105 (Raksha)	-	-ICM in Summer Paddy	Integrated crop management in summer paddy KMP-105 (Raksha)	Summer 2012-13	388.00	37.94	194.0	Cowpea
5	Millets	Rainfed	Kharif	Ragi	KMR 204	-	ICM with Short duration variety	Integrated crop management in Ragi KMR 204	Kharif 2012-13	358.0	32.35	188.50	Cowpea
6	Vegetables	Irrigated	Kharif	Tomato	Arka Rakshak		Integrated Crop management with Varietal introduction	Integrated Crop Management (ICM) in Tomato	Kharif 2012-13	289.0	30.80	149.50	Ragi
7	Vegetables	Irrigated	Kharif	Drumstick	Bhagya	-	Varietal Introduction	Introduction of high yielding drumstick variety Bhagya	Kharif-2012-13	289.0	30.80	149.50	Ragi
8	Vegetables	Irrigated	Kharif	Amaranthus	Arka Arunima	-	Varietal Introduction	Introduction of multi cut Amaranth variety Arka Arunima	Kharif 2012-13	289.0	30.80	149.50	Ragi
9	Vegetables	Irrigated	Kharif	Palak	Arka Anupama	-	Varietal Introduction	Introduction of multi cut variety Arka Anupama	Kharif 2012-13	289.0	30.80	149.50	Ragi

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil (kg/ha)			Previous crop grown
										N	P	K	
10	Vegetables	Irrigated	Kharif	Cabbage	Sandoze		ICM in cabbage	Integrated crop Management in Cabbage	Kharif 2012-13	304.5	45.60	189.5	Bengal gram
11	Vegetables	Rainfed	Kharif	Potato	Kufri Jyothi		IPM	Poison bait for management of *Spodoptera* in potato	Kharif 2012-13	365.5	38.20	169.5	Greengram
12	Vegetables	Rainfed	Kharif	Potato	Kufri Jyothi		IPM	Management of Mite in Potato	Kharif 2012-13	314.5	44.25	178.2	Maize
	Flowers												
	Ornamental												
13	Fruit	Rainfed	Kharif	Mango	Badami	-	ICM	Integrated Crop Management (ICM) in Mango	Kharif 2012-13	336.0	67.50	165.3	Ragi intercrop
	Spices and condiments												
14	Commercial	Rainfed	Summer 2013	Sugarcane	Co-86032		Integrated Trash Management	Integrated Sugarcane Trash management	Summer 2012-13	412.0	41.25	245.0	Sugarcane
	Medicinal and aromatic												
	Fodder	Rainfed	Kharif	Multi cut sorghum	COFS-29-1	-	Fodder production	Introduction of multi cut sorghum variety COFS-29-1		356.0	36.0	189.0	Maize
	Plantation	Rainfed	Kharif	Coconut	Local		IPDM	Integrated Pest and Disease management in Coconut		316.0	32.6	178.0	Horse gram
	Plantation	Rainfed	Kharif	Coconut	Local		IPM	IPM in Coconut		302.0	41.5	165.0	Cowpea
	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)				% 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	Soil Test Crop Response Approach for higher yield in Maize	-	Hema	Rainfed	10	5	68.0	58.0	62.15	59.55	4.36	25500	80797	55297	3.16	24800	77415	52615	3.12

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
							Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Cereals	ICM in paddy in hilly area, Variety: Tunga/BR-2655	Tunga/ BR-2655		Irrigated	10	5	56.0	47.0	50.85	45.5	8.49	63562	31500	32062	2.07	29000	56875	27875	1.96
Cereals	Integrated crop management in paddy var KCP-1	KCP-1		Irrigated	10	5	54.0	47.0	49.95	47.55	5.04	32600	74925	42325	2.29	31900	71325	39425	2.23
Cereals	Integrated crop management in summer paddy KMP-105 (Raksha)	KMP-105 (Raksha)		Irrigated	10	5	In Progress												
Millets	Integrated crop management in Ragi KMR 204	KMR 204		Rainfed	25	10	32.0	22.60	28.15	25.16	12.0	21800	50724	28924	2.32	20200	45288	25088	2.24
Vegetables	Integrated Crop Management in Tomato	Arka Rakshak		Irrigated	10	2	802	732	760	460	65	50200	158632	108432	3.16	35150	70300	35150	2.00
Vegetables	Introduction of high yielding drumstick variety Bhagya	Bhagya		Irrigated	5	2	39	30	35	21	66	25000	87500	62500	3.5	18000	52500	34500	2.91
Vegetables	Introduction of multi cut Amaranth variety Arka Arunima	Arka Arunima		Irrigated	20	4	280	220	250	120	108	8655	30900	22245	3.57	8555	14629	6074	1.71
Vegetables	Introduction of multi cut variety Arka Anupama	Arka Anupama		Irrigated	10	2	430	350	380	250	52	8107	25620	17512	3.16	7952	15904	7952	2.0
Vegetables	Integrated crop Management in Cabbage	Sandoze		Irrigated	10	5	38.05	25.60	32.22	30.99	4.0	25600	64440	38840	2.51	24800	61980	37180	2.49
Vegetables	Poison bait for management of *Spodoptera* in potato	Kufri Jyothi		Rainfed	10	4	69	41	58.60	57	2.81	20640	89550	68910	4.36	19270	85500	66230	4.47
Vegetables	Management of Mite in Potato	Kufri Jyothi		Rainfed	32	10	68	50	59.60	41.40	43.96	15205	89400	74195	5.93	13700	62100	48400	4.59
Flowers																			
Ornamental																			
Fruit	Integrated Crop Management (ICM) in Mango	Badami		Rainfed	10	4	In progress												
Spices and condiments																			

Commercial	Integrated Sugarcane Trash management	Co-86032		Rainfed	10	5			In progress									
Fibre crops like cotton																		
Medicinal and aromatic																		
Fodder	Introduction of multi cut sorghum variety COFS-29-1	COFS-29-1	-	Rainfed	10	10	360	300	330	293	12.63	12750	66000	53250	5.17	13000	58600	45600	4.50
Plantation	Integrated Pest and Disease management in Coconut	Local	-	Rainfed	10	4	% disease incidence				% control	In Progress							
							5.00	2.00	2.30	10.70	25								

Plantation	IPM in Coconut	Local		Rainfed	10	4	No. of RPW trapped				% control	In Progress							
							31.00	7.00	13.70	-	15								
Fibre																			
Others Storage	Stored grain pest management	-	-	-	5	5	In Progress												
Nursery	Management of Snail, Achatina Fulica in Nursery/ Agril. Crops	-	-	-	25	10	No. of dead/alive snails 2 day after treatment / 100 sq. ft.				% control								
							203 Dead	12 Dead	75.25 Dead	101.90 Alive	86.10	-	-	-	-	-	-	-	-

* 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	Integrated Dairy Management	Cross bred	5	5	% of animals showed bed sores/injuries												

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										
					0	0	0	16%	100	-	-	-	-	-	-	-	-
					% of animals showed mastitis during 6 months												
					4	0	0.8	12%	66.66								
	Introduction of turkey birds for backyard	BBB, BBLW	10	100	Av. Body weight @ 20th week in grams												
					7350	6100	6750	3965	70.23	442	675	233	1.52	162	317.2	155.2	1.95
	Disease management in backyard poultry	Desi/Giriraja	10	5000	Mortality due to ND(%)												
Poultry					50	0	7.5	30	75	-	-	-	-	-	-	-	-
	Management of swine fever	Yorkshire	5	60	% mortality due to swine fever												
					0	0	0	1.0	100	--	-	-	-	-	-	-	-
					Body weight at 8th month (kgs)												
Pigerry					93	68	82.3	63.8	28.99	3754	6584	2830	1.75	3600	5104	1504	1.41
Sheep and goat	Management of stall fed sheep and goat	Sirohi/local	3	300	Body weight at 8th month (kgs)												
					22	16	19.33	15.66	23.43	2893.33	3866	972.67	1.29	2860	3132	272	1.09
					% animal showed health disorders in 6 month duration												
					11	0	5.33	12.66	57.90	-		-	-	-	-	-	-
Duckery																	
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

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 ((kg/Ha)				% Increase	*Economics of demonstration Rs./Ha)				*Economics of check Rs./Ha)			
					Demo			Check if any		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Fisheries	Fish culture in fresh water	Catla, Rohu,	7	2.8 ha	2375	1625	2035	535	280	24687	122142	97500	4.94	11250	32142	20892	2.85
					% survival												

Fisheries	Fry to Fingerling seed Production of Catla	Catla	4	0.06 ha	60	30	45	29	55.1	3037	11250	8213	3.70	3375	7250	3875	2.14
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
Chaff cutter	45000	Use of Chaff cutter	10	10	In progress											

* 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 laboursaved (viz., reduction in drudgery, time etc.)

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

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

Sl.No.	Activity	No. of activities organised	Number of participants	Remarks
1	Field days	9	679	-
2	Farmers Training	35	942	-
3	Media coverage	15	-	-
4	Training for extension functionaries	1	28	-

5	Others (Please specify)	-	-	-

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	Soil Test Crop Response Approach for higher yield in Maize	Hema	10	5	68.0	58.0	62.15	59.55	4.36	25500	80797	55297	3.16	24800	77415	52615	3.12
Paddy																	
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)																	
Total																	
Vegetable crops																	
Bottle gourd																	
Capsicum																	
Others (pl.specify)																	
Total																	
Cucumber																	
Tomato																	
Brinjal																	
Okra																	
Onion																	
Potato																	

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	19	175	280	455	10	12	22	185	292	477
Others (pl.specify)Fodder crop improvement	1	20	8	28	3	5	8	23	13	36
Others : Food Productivity	1	25	20	45	0	0	0	25	20	45
Others (pl.specify) Crop production and marketing	3	107	40	147	2	6	8	109	46	155
b) Fruits	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	1	28	0	28	3	0	3	31	0	31
c) Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Nursery Management	1	0	20	20	0	15	15	0	35	35
Others (pl.specify) Production	3	0	66	66	0	60	60	0	126	126
Soil Health and Fertility Management	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	2	51	9	60	4	0	4	55	9	64
Others (pl.specify) Soil and water conservation	1	12	0	12	18	0	18	30	0	30
Livestock Production and Management	-	-	-	-	-	-	-	-	-	-
Dairy Management	34	19	1260	1279	4	104	108	23	1364	1387
Poultry Management	1	19	3	22	0	0	0	19	3	22
Piggery Management	1	11	1	12	3	0	3	14	1	15
Home Science/Women empowerment	-	-	-	-	-	-	-	-	-	-
Value addition	2	3	59	62	0	2	2	3	61	64
CapacityBuilding and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	22	39	660	699	0	331	331	39	991	1030
TOTAL	94	565	2426	2991	49	535	584	614	2961	3575

7.B Training of Farmers and Farm Women including sponsored training programmes (Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/Irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	3	113	40	153	1	4	5	114	44	158
Soil and Water Conservation	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Others (pl.specify) ICM	2	48	17	65	2	0	2	50	17	67
Horticulture	-	-	-	-	-	-	-	-	-	-
Others (pl.specify) Production	1	31	6	37	0	0	0	31	6	37
b) Fruits	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	4	97	102	199	0	0	0	97	102	199
Soil Health and Fertility Management	-	-	-	-	-	-	-	-	-	-
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	9	271	241	512	0	0	0	271	241	512
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	37	16	53	1	0	1	38	16	54
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Dairy Management	1	10	7	17	6	0	6	16	7	23
Poultry Management	7	250	30	280	0	0	0	250	30	280
Piggery Management	2	37	8	45	0	0	0	37	8	45
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
Animal Disease Management	-	-	-	-	-	-	-	-	-	-
Feed and Fodder technology	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl.specify) Sheep Farming	2	74	0	74	0	0	0	74	0	74
Home Science/Women empowerment	-	-	-	-	-	-	-	-	-	-
Value addition	4	0	225	225	0	5	5	0	230	230
Plant Protection	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	6	149	5	154	3	0	3	152	5	157
Integrated Disease Management	1	41	0	41	0	0	0	41	0	41
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Others (pl.specify) Snail management	2	36	9	45	0	0	0	36	9	45
Fisheries	-	-	-	-	-	-	-	-	-	-
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	1	0	24	24	0	0	0	0	24	24
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	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
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)	-	-	-	-	-	-	-	-	-	-
CapacityBuilding 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	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	47	1194	730	1924	13	9	22	1207	739	1946

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	1	25	0	25	4	1	5	29	1	30
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	1	30	3	33	15	6	21	45	9	54
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	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-

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 quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
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)	-	-	-	-	-	-	-	-	-	-
TOTAL	2	55	3	58	19	7	26	74	10	84

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	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-

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/ Horticulture crops	2	56	8	64	0	0	0	56	8	64
Integrated Pest Management	1	42	8	50	0	0	0	42	8	50
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	9	2	11	0	0	0	9	2	11
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other : sericulture	1	33	4	37	4	0	4	37	4	41
Total	5	140	22	162	4	0	4	144	22	166

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	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	1	23	5	28	0	0	0	23	5	28
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	1	45	8	53	2	0	2	47	8	55
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
Total	2	68	13	81	2	0	2	70	13	83

7.G. Sponsored training programmes conducted

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Increasing production and productivity of crops	20	184	312	496	10	13	23	194	325	519
1.b.	Commercial production of vegetables	4	81	70	151	2	52	54	83	122	205
2	**Production and value addition**										
2.a.	Fruit Plants	1	28	0	28	3	0	3	31	0	31
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	-	-	-	-	-	-	-	-	-	-

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
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	33	20	1235	1255	3	108	111	23	1343	1366
10.b.	Animal Disease Management	-	-	-	-	-	-	-	-	-	-
10.c	Fisheries Nutrition	-	-	-	-	-	-	-	-	-	-
10.d	Fisheries Management	-	-	-	-	-	-	-	-	-	-
10.e.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
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.	CapacityBuilding and Group Dynamics	24	39	712	751	0	360	360	39	1072	1111
12.b.	Others (pl.specify) Soil and water conservation	1	12	0	12	18	0	18	30	0	30
	Total	83	364	2329	2693	36	533	569	400	2862	3262

Details of sponsoring agencies involved

1. KMF, Hassan
2. Zilla Panchayat, Hassan
3. CADA, Mysore
4. Coffee Board, Hassan
5. NRDS/NABARD, Hassan
6. Directorate of Marketing and KSAMB, Mysore
7. Horticulture Department, Hassan
8. 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 (Coconut palm climbing and plant protection)	3	46	5	51	8	1	9	54	6	60
2	**Post harvest technology and value addition**										
2.a.	Value addition	-	-	-	-	-	-	-	-	-	-
2.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-

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
3.	**Livestock and fisheries**										
3.a.	Dairy farming	1	4	1	5	3	0	3	7	1	8
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)	-	-	-	-	-	-	-	-	-	-
5	**Agricultural Extension**										
5.a.	Capacity building and group dynamics	-	-	-	-	-	-	-	-	-	-
5.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	Grand Total	4	50	6	56	11	1	12	61	7	68

PART VIII – EXTENSION ACTIVITIES

Extension Programmes (including extension activities undertaken in FLD programmes)

Nature of Extension Programme	No. of Programmes	No. of Participants (General)			No. of Participants SC / ST			No.of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	10	469	228	697	-	-	0	-	-	-
Kisan Mela	-	-	-	0	-	-	0	-	-	-
Kisan Ghosthi	1	90	20	110	-	-	0	-	-	-
Exhibition	7	47060	16749	63809	-	-	0	-	-	-
Film Show	52	478	1337	1815	16	319	335	-	-	-
Method Demonstrations	19	189	83	272	11	88	99	-	-	-
Farmers Seminar	-	-	-	0	-	-	0	-	-	-
Workshop	-	-	-	0	-	-	0	-	-	-
Group meetings	29	1213	406	1619	-	-	0	-	-	-
Lectures delivered as resource persons	178	15550	4666	20216	-	-	0	-	-	-
Newspaper coverage	145	-	-	0	-	-	0	-	-	-
Radio talks	10	-	-	0	-	-	0	-	-	-
TV talks	11	-	-	0	-	-	0	-	-	-
Popular articles	62	-	-	0	-	-	0	-	-	-
Extension Literature	19	-	-	0	-	-	0	-	-	-
Advisory Services	77	842	158	1000	-	-	0	-	-	-
Scientific visit to farmers field	57	522	64	586	-	-	0	-	-	-
Farmers visit to KVK	467	446	21	467	-	-	0	-	-	-
Diagnostic visits	54	523	98	621	-	-	0	-	-	-
Exposure visits	9	512	211	723	-	-	0	-	-	-
Ex-trainees Sammelan	-	-	-	0	-	-	0	-	-	-
Soil health Camp	-	-	-	0	-	-	0	-	-	-
Animal Health Camp	6	112	12	124	65	17	82	18	-	**18**
Agri mobile clinic	-	-	-	0	-	-	0	-	-	-
Soil test campaigns	-	-	-	0	-	-	0	-	-	-
Farm Science Club Conveners meet	-	-	-	0	-	-	0	-	-	-
Self Help Group Conveners meetings	-	-	-	0	-	-	0	-	-	-
Mahila Mandals Conveners meetings	-	-	-	0	-	-	0	-	-	-
Celebration of important days (specify)	16	16742	1632	18374	-	-	0	-	-	-
Any Other (Specify)	-	-	-	0	-	-	0	-	-	-
Important meetings	96	-	-	0	-	-	0	-	-	-
Farm Trails	2	-	-	0	-	-	0	-	-	-
Teaching Aids developed	64	-	-	0	-	-	0	-	-	-
Farmers Field school Activities	5	134	10	144	11		11	-	-	-
KMAS Service	27	22599	1269	23868	-	-	0	-	-	-
Voice Message Service	25	2166	-	2166	-	-	0	-	-	-
Total	1448	109716	26977	136693	38	407	445	-	-	-

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)	Ragi	GPU-28		10.00	In stock	
	Ragi	GPU-48		12.00	In stock	
	Ragi	MR- 66		1.50	In stock	
	Ragi	ML – 365		8.00	In stock	
	Paddy	Thunga		30.66	In stock	
Oilseeds	Sunhemp	Local		3.50	In stock	
Pulses	Redgram	BRG -1		3.50	In stock	
	Cowpea	Local		0.28	In stock	
	-	-	-	-	-	-
Commercial crops	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-
Flower crops	-	-	-	-	-	-
Spices	-	-	-	-	-	-
Fodder crop seeds	Grass slips (No)	CO-3		115765	66995	203
Fiber crops	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-
Others (specify)	-	-	-	-	-	-
Total					**66995**	

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	Bhagya		4790	47900	31
Fruits	Mango	Alphanso/ Rasapuri		1689	94610	12
	Lemon	Local		102	1530	2
	Papaya	Red lady		3666	43992	24
	Jack	Gumless		375	28125	14
	Tamarind	PKM-1		375	27075	14

Ornamental plants						
Medicinal and Aromatic	Chakramuni	Local		422	4220	5
	Insulin	Local		412	4120	4
Plantation	Arecanut	Mangala		496	4960	20
Spices	-	-	-	-	-	-
Tuber	-	-	-	-	-	-
Fodder crop saplings	-	-	-	-	-	-
Forest Species	Silver Oak	Local		2930	8790	15
Others(specify)	-	-	-	-	-	-
Total				**15257**	**265322**	**141**

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)	Earthworm	84.5	22925	37
Total		**84.5**	**22925**	

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	9970.75	222409.5	Sold to dairy
Buffaloes	-	-	-	-
Calves	Cross bred	3	6520	1
Others (Pl. specify) Aged cows	Cross bred	3	50700	1
Poultry	-	-	-	-
Broilers	-	-	-	-
Layers	-	-	-	-
Duals (broiler and layer)	Giriraja	3970	273825	749
Japanese Quail	-	-	-	-
Turkey	-	-	-	-
Emu	-	-	-	-

Ducks	-	-	-	-
Others (Pl. specify)	-	-	-	-
Piggery	-	-	-	-
Piglet	Yorkshire cross	37	66600	30
Others (Pl.specify) Sheep	UAS sheep	18	27400	12
Fisheries	-	-	-	-
Fingerlings	-	-	-	-
Others (Pl. specify)	-	-	-	-
Total		14001.75	647454.5	**793**

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: HOYSALA ((Date of start : January 2013, Periodicity: once in year, Number of copies distributed: 500.)

(B) Literature developed/published

Item	Title	Authors name	Number
Research papers	-	-	-
Technical reports	-	-	-
News letters	Hoysala	B.S. Basavaraju, O.R. Nataraju, S. Channakeshava, M. Shivashankar, Vinay Kumar R, G.S. Krishana Reddy, T.S. Manjunathaswamy	500
Technical bulletins			
Popular articles			
1	Jenu : Nysargika Adbutha Aahara	H. Shoba, T.P. Bharath and M. Shivashankar	1
2	Musukina joolada movlavardhitha uthpanagala tayarike	M. Shivashankar, H. Shoba and T.P. Bharath kumar	1
3	parisara snehi naisargika gobbaragalu	B.S. Lalitha, B.S. Basavaraju, S. Channakeshava and A.C. Girish	1
4	Alugedde adhika eluvarige bekaguva rasagobbaragalu pramana	B.S. Lalitha, B.S. Basavaraju, and B.G. Hanumantharaya	1
5	Alugedde angamaari roogada nirvahanege gamanisabekada amshagalu	B.S. Basavaraju, B.S. Lalitha and B.G. Hanumantharaya	1
6	Alugedde angamaari roogada nirvahanege gamanisabekada amshagalu Baga-2	B.S. Basavaraju, B.S. Lalitha and B.G. Hanumantharaya	1
7	Alugedde besayadalli gamainsabekada amshagalu	B.G. Hanumantharaya, A.C. Girish and B.S. Basavaraju	1
8	Badaneyalli samaghra besaya paddathigalu	B.G. Hanumantharaya, B.S. Lalitha and B.S. Basavaraju	1
9	kole kabbinalli samagra phoshakamshagala nirvahane	S.Channakeshava, B.G. Hanumantharaya, A.C. Girish and B.S. Basavaraju	1
10	Alugedde bittane maaduva munna gamanisi	B.S. Basavaraju, B.S. Lalitha, B.G. Hanumantharaya and O.R. Nataraju	1
11	Maavina koylothara nirvahaneya vidhanagalu	M. Shivashankar, B.G. Hanumantharaya and B.S. Basavaraju	1
12	Nikara Besaya paddathiyalli angamsha bale besaya	B.G. Hanumantharaya, B.S. Lalitha and A.C. Girish	1
13	Musukina jooladalli samagra bele nirvahane	S. Channakeshava, B.S. Basavaraju, B.G. Hanumantharaya and M. Shivashankar	1
14	hinugarikeyalli misratali hasugala paalane	O.R. Nataraju, B.S. Basavaraju, A.C. Girish and M. Shivashankar	1

Item	Title	Authors name	Number
15	hinugarikeyalli misratali hasugala paalane	O.R. Nataraju, B.S. Basavaraju, A.C. Girish and M. Shivashankar	1
16	Bahu upayogi huvina bele chendu hvu	B.G. Hanumantharaya, A.C. Girish and S. Channakeshava	1
17	thotagarike uddimeyalli labhadayaka kasi kidagala utpadane	B.G. Hanumantharaya, B.S. Basavaraju, A.C. Girish and M. Shivashankar	1
18	thotagarike uddimeyalli labhadayaka kasi kidagala utpadane	B.G. Hanumantharaya, B.S. Basavaraju, A.C. Girish and M. Shivashankar	1
19	Krishiyalli saayava padaarhagala agathyate	A.C. Girish, S. Channakeshava and B.G. Hanumantharaya	1
20	prakritika sandharbadalli jaanuvaarugala pooshane	O.R. Nataraju, B.S. Basavaraju and A.C. Girish	1
21	Anabe besaya mattu adaya	M. Shivashankar, B.G. Hanumantharaya and A.C. Girish	1
22	krishiyalli saavayava padharthagala agathyte	A.C. Girish, S. Channakeshava and B.G. Hanumantharaya	1
	Akaalika maleyalli poushtika kitoda nirvahane	M.Shivashankar, B.S. Basavaraju, A.C. Girish & B.G. Hanumantharaya	1
23	Mevugala poushikatheyanu hechici januvarugalnu poshisi	O.R. Nataraju, B.S. Basavaraju and A.C. Girish	1
24	Mevugala poushikatheyanu hechici januvarugalnu poshisi (Baga 2)	O.R. Nataraju, B.S. Basavaraju and A.C. Girish	1
25	Akaalika maleyalli poushtika kitoda nirvahane	M. Shivashankar, B.S. Basavaraju, A.C. Girish and B.G. Hanumantharaya	1
26	eruperada mungaru nibhaisalu kuski thotagaarike	B.G. Hanumantharaya, A.C. Girish, S. Channakeshava and B.S. Basavaraju	1
27	kadime darjeya meevugala poustikageyannu hechisi jaanuvarugala pooshane	O.R. Nataraju, B.S. Basavaraju and A.C. Girish	1
28	musukina jooladalli samagra phoshakamshagala nirvahne	S. Channakeshava, B.S. Basavaraju,A.C. Girish	1
29	elekoosinalli samagra phosakomshagala nirvahane	S. Channakeshava, B.S. Basavaraju,A.C. Girish	1
30	sovtekaayiyalli samagra pooshakaamshagala nirvahane	S. Channakeshava, B.S. Basavaraju, A.C. Girish	1
31	sovtekaayiyalli samagra pooshakaamshagala nirvahane	S. Channakeshava, B.S. Basavaraju, A.C. Girish	1
32	Sunti beleyalli samagra pooshakaamshagala nirvahane	S. Channakeshava, B.S. Basavaraju, B.G. Hanumantharaya and A.C. Girish	1
33	Mekke joolada bele nirvahanege anusarisabekada kramagalu	B.S. Basavaraju, O.R. Nataraju, S. Channakeshava and A.C. Girish	1
34	Baale beleyannu baadhisuva roogagalu	B.S. Basavaraju, O.R. Nataraju, B.G. Hanumantharaya, S. Channakeshava	1
35	Bhattadallu benki roogada baadhe : niravhane	B.S. Basavaraju, Vinay kumar R, G.S. Krishnareddy	1
36	vishva aahara purhikeyalli krishi sahakaara samsthegala paatra	Vinay kumar R, A.C. Girish, M. Shivashankar	1
37	Tenginalli samagra pooshakamshagala nirvahane Bhaga-1	S. Channakeshava, B.S. Basavaraju, A.C. Girish	1
38	Tenginalli samagra pooshakamshagala nirvahane Bhaga-2	S. Channakeshava, B.S. Basavaraju, A.C. Girish	1
39	Bhattadalli ajoolada upayoogagalu	A.C. Girish, Vinay kumar R, G.S. Krishnareddy	1
40	Togarikaayi koraka hulada samagra hatooti kramagalu	B.S. Basavaraju, O.R. Nataraju, A.C. Girish and T.S. Manjunatha swamy	1
41	Krishiyalli saavayava padaathagala agatyate	A.C. Girish, T.S. Manjunatha Swamy, R. Vinay Kumar, G.S. Krishna Reddy	1
42	Hakki Javra : ondu Pakhshinoota	O.R. Nataraju	1
43	Savayava goobbara utpadanaa vidhanagalu (Part-1)	S. Channakeshava, T.S. Manjunatha swamy, A.C. Girish, R. Vinay Kumar	1
44	Savayava goobbara utpadanaa vidhanagalu (Part-2)	S. Channakeshava, T.S. Manjunatha swamy, A.C. Girish, R. Vinay Kumar	1
45	Tenginalli samagra pooshakaamshagala nirvahane	S. Channakeshava, B.S. Basavaraju and A.C. Girish	1
46	Management of milch animal and hygenic milk production	Dr.O.R.Nataraju. Vinay kumar R. and A.C.Girish	1
47	Krishi utpannagala katavu matthu saskarane	Krishna Reddy G.S, Vinay Kumar R. A.C. Girish and T.S. Manjunathaswamy	1
48	Krishi utpannagala katavu matthu saskarane	Krishna Reddy G.S, Vinay Kumar R. A.C. Girish and T.S. Manjunathaswamy	1
49	samatholana Ahara: ona mevina moulayavardhane	Krishna Reddy G.S,O.R.Nataaja, A.C. Girish and Vinay Kumar R.	1

Item	Title	Authors name	Number
50	Doonne menasinakayiya samagra besaaya paddatigalu	T.S. Manjunathaswamy, R. Vinay Kumar, G.S. Krishna Reddy, A.C. Girish	1
51	Movlyavarditha Ragi Utpannagalu	M. Shivashankar, R. Vinay Kumar, A.C. Girish	1
52	Besige hangamige haasana jillege suktavada Bhathada taligalu	R.Jayaramayya, G.S. Krishnareddi, A.C. Girish	1
53	Paragasparsha Kriyeyalli Jeenu nonagala patra	B.S. Basavaraju, Vinay Kumar, S. Channakeshava	1
54	Labhadayaka krishige Jyvika goobara	A.C. Girish, R. Vinay Kumar, G.S. Krishna reddy	1
55	Rhita snehi chowdari charnasingh	Vinay kumar R, A.C. Girish, M. Shivashankar	1
56	Labhadayaka krishige Jyvika goobara	A.C. Girish, R. Vinay Kumar, G.S. Krishna reddy	1
57	enne hindigala pramukyate	A.C. Girish, S.Channakeshava, Vinay Kumar R	1
58	Koosige hasiru hulu badhe : nirvahane	B.S. Basavaraju, O.R. Nataraju,S. Channakeshava	1
59	Menasinakayi beleyannu badhisuva kitagalu	B.S. Basavaraju, S. Channakeshava, A.C. Girish and M. Shivashankar	1
60	Tengina naatige sukta kala - Besaya taantrikategalu	T.S. Manjunathaswamy, A.C. Girish, G.S. Krishna Reddy	1
62	Huli mannu - Yava manniga eshtu sunna?	S. Channakeshava, A.C. Girish, B.S. Basavaraju	1
Extension literature			
Others			
Books/ Booklets1	Mishra thali hasugala paalane mattu poshane	O.R Nataraju, B.S. Basavaraju, A.C. Girish, B.G. Hanumantharaya and T Sowjanya	1
2	Pashu Poshane	O.R. Nataraju, B.S. Basavaraju, B.G. Hanumantharaya, M. Shivashankar and A.C. Girish	1
3	Susthira krishige samagra krishi	B.S. Basavaraju, O.R. Nataraju, B.G. Hanumantharaya, A.C. Girish, B.S. Lalitha, M. Shivashankar and S. Channakeshava	1
4	Vygnanika pashu sangoopane	O.R Nataraju, B.S. Basavaraju, M. Shivashankar, A.C. Girish, and T Sowjanya	1
5	Thengannu bhadisuva keeta roogagalu - nirvahane	B.S. Basavaraju, K.H. Nagaraj, B.S. Lalitha, O.R. Nataraju, M. Shivashankar	1
6	INM in coconut	S.Channakeshava, B.S.Basavaraju, A.C. Girish, Vinay Kumar R	1
7	INM in Banana	S.Channakeshava, B.S.Basavaraju, A.C. Girish, Vinay Kumar R	1
8	Udhyamashilata paddattigalu	O.R. Nataraju, B.S. Basavaraju, R. Vinay Kumar, T.S. Manjunatha Swamy, G.S. Krishna Reddy and A.C. Girish	1
Folders Published			
1	Thenginalli kandadinda rasa sooruva roogada samagra nirvahane	B.S. Basavaraju, B.S. Lalitha, S. Channakeshava, B.G. Hanumnatharaya, M. Shivashankar	1
2	Mekke jooladalli sasya samrakshana kramagalu	B.S. Basavaraju, B.S. Lalitha, K.H. Nagaraj, O.R. Nataraju	1
3	Tenginalli kempu muthi hulu nirvahane	B.S. Basavaraju, B.S. Lalitha, O.R. Nataraju, A.C. Girish, M. Shivashankar	1
4	Tenginalli samagra phoshakamshagala nirvahane	S. Channakeshava, T.S. Manjunatha Swamya, R. Vinay Kumar	1
5	Baleyalli samagra phoshakamshagala nirvahane	S. Channakeshava, T.S. Manjunatha Swamya,G.S. Krishna Reddy	1
6	Kushki thotagarike	T.S. Manjunatha Swamy, Krishana Reddy G.S, Vinay Kumar R, S. Channakeshava	1
7	Hani neeravari thantrikathe	G.S. Krishna Reddy, T.S. Manjunatha Swamy, Vinay kumar R, S. Channakeshava	1
8	Aahara dhanyagalalli koylothara thanthragnanagalu – ondu pakshi nota	G.S. Krishna Reddy, Vinay kumar R, T.S. Manjunatha Swamy, M. Shivashankar	1
9	Anabe besaya mattu poustikamsha	M. Shivashankar, G.S. Krishna Reddy, Vinay Kumar R, T.S. Manjunatha swamy	1
10	Minu mari pallane	M. Shivashankar, O.R. Nataraju, B.S. Basavaraju and A.C. Girish	1
Total: 90			90

10.B. Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD/ Audio-Cassette)	Title of the programme	Number
-	-	-	-

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).

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
3. Video-conferencing by experts with farmers
4. Short Message Service and voice message service through mobile phones to farmers: 35

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 thereby 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 : 14
ii. No. of farm families selected : 1764
iii. No. of survey/PRA conducted : 3

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 :

Sl. No.	Nature Of The Equipment	Quantity	Cost
1	pH Meter	1	8,550.00
2	Conductivity Bridge	1	7,400.00
3	Physical Balance	1	12,000.00
4	Top Loading Balance	1	48,900.00
5	Kjeldahl Digestion & Distillation Unit	1	1,67,709.00
6	Flame Photometer	1	35,200.00
7	Spectrophotometer	1	42,000.00
8	Rotary Shaker	1	27,600.00

Sl. No.	Nature Of The Equipment	Quantity	Cost
9	Glass Distillation Unit	1	48,850.00
10	Refrigerator	1	15,850.00
11	Hot Air Oven	1	20,000.00
12	Hot Plate	1	5,500.00
13	Water Bath	1	9,990.00
	Laboratory Wares		
14	Wooden Almirah	1	11,995.00
15	Steel Almirah	1	7,750.00
16	Exhaust Fan	1	1,200.00

Details of samples analyzed so far since establishment of SWTL till March 2012:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	6342	5186	1921	1615270
Water Samples	135	114	94	8060
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	**6701**	**5330**	**2044**	**1647330**

Details of samples analyzed during the 2012-13:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	292	200	200	8760
Water Samples	80	80	64	6550
Lime samples	16	16	10	2360
Organic Manure samples	4	4	4	800
Others (specify)	-	-	-	-
Total	**392**	**300**	**278**	**18470**

10.I. Technology Week celebrationduring 2011-12 Yes/No Yes

Period of observing Technology Week: From 07.011.2012 to 11.11.2012
Total number of farmers visited : 300
Total number of agencies involved : 5 departments and 5 private companies
Number of demonstrations visited by the farmers within KVK campus : 3

Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies	1	300	Organic farming
Lectures organized	8	50	IFSD
Exhibition	1	300	Agriculture and allied subject related stalls
Film show	-	-	-
Fair	-	-	-
Farm Visit	-	-	-
Diagnostic Practicals	-	-	-
Supply of Literature (No.)	3	300	
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
-	-	-	-
Total	-	-	-

D. Animal health camps organized

State	Number of camps	No.of animals	No.of farmers
Karnataka	6	525	124
Total	6	525	124

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 gist 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
(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.)
Coconut climber and plant protection	2012-13	Coconut Development Board, Bangalore	388000
Training for water users association members	2012-13	CADA, Mysore	54100
Entrepreneurship Development Program– SGSY(Sanjeevini)	2012-13	ZP, Hassan	412000
Support for training and empowerment program for women	2012-13	KMF Hassan	1650000
Dairy Farming	2012-13	Neharu Yuva Kendra, Hassan	26920
IFSD	2011-12	GOK	78,84,819

12.C. Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

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

Coordination activities between KVK and ATMA during 2012-13

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	**Meetings**	-	-	-	-
02	**Research projects**	-	-	-	-
		-	-	-	-
03	**Training programmes**	-	-	-	-
		-	-	-	-
04	**Demonstrations**	-	-	-	-
		-	-	-	-

05	**Extension Programmes**	-	-	-	-
	Kisan Mela	-	-	-	-
	Technology Week	IFSD		1	
	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
-	-	-	-	-	-

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	2012-13 Programmes	HRD, Demonstrations	59580	-	-

12. GKisan Mobile Advisory Services

Month	No. of SMS sent	No. of farmers to which SMS was sent	No. of feedback / query on SMS sent
April 2012	1	662	-

May 2012	1	682	-
June 2012	3	1430	-
July 2012	4	2804	-
August 2012	4	3001	-
September 2012	5	4039	-
October 2012	4	3532	-
November 2012	1	883	-
December 2012	3	2649	-
January 2013	1	883	-
February 2013	3	2655	-
March 2013	6	5312	-
	36	28532	

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.(No.)	Cost of inputs	Gross income	
1	Medicinal and aromatic block	2007-08	0.99	Bhagya	Drumstick	4790	9000	47900	-
2	Mango Scion Bank	2007-08		Alphanso/ Rasapuri	Mango	1689	75000	94610	-
3	Fodder museum	2008-09		Local	Lemon	102	1200	1530	-
4	Vermicompost	2008-09		Red lady	Papaya	3666	6000	43992	-
-	-	-	-	Gumless	Jack	375	15000	28125	-
-	-	-	-	PKM-1	Tamarind	375	15000	27075	-
-	-	-	-	Local	Chakramuni	422	1000	4220	-
-	-	-	-	Local	Insulin	412	1000	4120	-
-	-	-	-	Mangala	Arecanut	496	1100	4960	-
-	-	-	-	Local	Silver Oak	2930	1500	8790	-

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	23.07.12	23.10.12	0.4	GPU-28	Ragi	10	4500		In stock
	28.07.12	15.11.12	0.4	GPU-48	Ragi	12	4800		In stock
	29.06.12	29.09.12	0.1	MR- 66	Ragi	1.50	1200		In stock
	28.06.12	28.09.12	0.4	ML – 365	Ragi	8	4500		In stock
	06.07.12	06.10.12	2.0	Thunga	Paddy	30.66	15000		In stock
Pulses	26.06.12	26.11.12	0.7	BRG -1	Redgram	3.50	6500		In stock
	29.06.12	29.09.12	-	Hebbal Avare	Avare	0.05	250	150	

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	
	28.06.12	28.09.12	-	Local	Cowpea	0.28	1200		In stock
Oilseeds	02.07.12	02.10.12	0.4	Local	Sunhemp	3.5	950		In stock
-	-	-	-	-	-	-	-	-	-
Fibers									
-	-	-	-	-	-	-	-	-	-
									Spices & Plantation crops
Floriculture									
-	-	-	-	-	-	-	-	-	-
Fruits									
-	-	-	-	-	-	-	-	-	-
Vegetables	24.07.12	16.11.12	0.1	Kufri Jyothi	Potato	0.31	1600	310	
									Others (specify)
Commercial crops	Ratoon crop	January-February	-	CO 86032 CO 8371	Sugarcane	820	2000	133250	
Fodder crop	10.4.12	-	-	CO-3	Grass slips(No)	115765	1500	66995	

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	Cross breeds	Milk	9970.75	-	222409.5	Sold to dairy
2	Poultry	Giriraja	3-4 week old Birds	3970	-	273825	-
3	Piggery	Yorkshire cross	Piglets	37	-	66600	-
4	Sheep	UAS sheep	Lambs	18	-	27400	-

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 2012	260	18	
May 2012	313	21	
June 2012	299	17	

July 2012	443	31	
August 2012	388	23	
September 2012	178	14	
October 2012	73	3	
November 2012	317	13	
December 2012	838	31	
January 2013	395	16	
February 2013	155	3	
March 2013	-	-	

13.F. Database management

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

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

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

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	573015302	CNRB0000531

14.B. Utilization of KVK funds during the year 2012-13(Rs. in lakh)

S. No.	Particulars	Sanctioned	Expenditure	Balance
A. Recurring Contingencies				
1	**Pay & Allowances**	4800000	6215656	-1415656
2	**Traveling allowances**	115000	110443	4557
3				
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	221000	215279	5721
B	POL, repair of vehicles, tractor and equipments	202000	200091	1909
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	88000	82159	5841
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	61000	56799	4201
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	406000	406000	00
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	39000	39270	-270
G	Training of extension functionaries	18000	12615	5385
H	Maintenance of buildings	20000	23966	-3966
I	Farmers Field School	20000	20567	-567
J	Library	3000	3077	-77
K	Extension Activities	22000	20389	1611
	TOTAL (A)	6015000	7406311	-1391311
B. Non-Recurring Contingencies				
1	**Works**			
2	**Equipments including SWTL & Furniture**			
3	**Vehicle** (Four wheeler/Two wheeler, please specify)			
4	**Library** (Purchase of assets like books & journals)			
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		6015000	7406311	-1391311

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2010 to March 2011	815989	829448	721529	869723
April 2011 to March 2012	608558	1197065	1130440	640120
April 2012 to March 2013	640120	1178147	1536896	281371

15. Details of HRD activities attended by KVK staff during 2012-13

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Dr. S. Channakeshava	SMS (Soil Science)	E-KVK and V-KVK workshop	ICRISAT, Hydrabad	15.06.12
Dr. B.S.Basavaraju	Programme Co-ordinator	Expert System for Agriculture and Animal husbandary Enterprise	UHS, Bagalakot	03-04.11.2012
Dr. Vinay kumar R	SMS (Agril. Extension)	Process documentation at manage Hyderabad	MANAGE, Hyderabad	29.10 to 2.11.12
Dr. B.S.Basavaraju	Programme Co-ordinator	National conference of KVK	PAU. Ludhiyana	20-22.11.12
Dr. O.R. Nataraju	Associate Professor (Poultry Science)	Intensive and semi intensive, Sheep rearing as a source of rural employment and livelihood security	Veterinary college, Shimoga	10-17.12.12
Mr. G.S. Krishna reddy	SMS (Agril. Engg.)	Training on farm machine testing	UAS Raichur	09.12.12
Mr. M.Shivashankar	SMS (Home Science)	Workshop on center of Excellence for processing and value addition of small millets	GKVK, Bangalore	26-27.12.12
Dr. B.S.Basavaraju	Programme Co-ordinator	ICT for Farm woman	NAARM Rajandranagar Andrapradesh	18-24.01.13
Dr. B.S.Basavaraju	Programme Co-ordinator	International conference on insect science	GKVK, UAS, Bangalore	14-17.02.13

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Dr. S. Channakeshava	SMS (Soil Science)	Pre and post harvest seed management (National training)	NSP,GKVK, Bangalore	12-16.03.13
Mr. G.S. Krishna reddy	SMS (Agril. Engg.)	Pre and post harvest seed management (National training)	NSP,GKVK, Bangalore	12-16.03.13
Dr. Vinay kumar R	SMS (Agril. Extension)	Training program on community radio station organized by UAS (D) in association with MANAGE, Hyderabad	STU, UAS, Dharwad	04-08.03.13

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

16.1 Farmers Field Schools Conducted:

Title of FFS/ Farm School	Place / Taluk
Integrated pest management in maize	Bommenahalli, Hassan

SUMMARY FOR 2012-13

I. TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops

Thematic areas	Crop	Name of the technology assessed	No. of trials
Integrated Nutrient Management	Maize	Foliar application of Maize through Maize Max (Macro & Micronutrient Mixture)	5
	Coffee	Foliar application of nutrients to enhance the fertilizer use efficiency in Coffee	5
	Cucumber	Boron Management in Cucumber	5
Varietal Evaluation	-	-	-
	-	-	-
Integrated Pest Management	Ginger	Management of Shoot Borer through Sequential Spray in Ginger	5
	-	-	-
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	-	-	-

Thematic areas	Crop	Name of the technology assessed	No. of trials
Others (Pl. specify)	-	-	-
	-	-	-
Total			**20**

Summary of technologies assessed under livestock

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials
Disease Management	-	-	-
Evaluation of Breeds	-	-	-
Feed and Fodder management	-	-	-
Nutrition Management	Piggery	Replacement of concentrate feed with Azolla in piggery	5
Production and Management	-	-	-
Others (Pl. specify)	-	-	-
Total			

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
-	-	-	-
	-	-	-
-	-	-	-
	-	-	-
-	-	-	-
	-	-	-
-	-	-	-
	-	-	-
-	-	-	-
	-	-	-
-	-	-	-
	-	-	-
-	-	-	-
	-	-	-

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	-	-	-
	-	-	-

Thematic areas	Crop	Name of the technology refined	No. of trials
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
-	-	-	-
	-	-	-
-	-	-	-
	-	-	-
-	-	-	-
	-	-	-
-	-	-	-

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

Crops

Crop	Thematic area	Name of the technology demonstrated	No. of KVKs	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
						Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Cereals	Soil Test Based Nutrient Management	Soil Test Crop Response Approach for higher yield in Maize	1	10	5	62.15	59.55	4.36	No. of rows/ cob 17.5	16	25500	80797	55297	3.16	24800	77415	52615	3.12
Cereals	Nutrient Management in high rainfall hilly area	ICM in paddy in hilly area, Variety: Tunga/BR-2655	1	10	5	50.85	45.5	8.49	No. of Panicles / hill 25.20	20.80	63562	31500	32062	2.07	29000	56875	27875	1.96
Cereals	ICM in paddy	Integrated crop management in paddy var KCP-1	1	10	5	49.95	47.55	5.04	No. of Panicles / hill 21.80	19.80	32600	74925	42325	2.29	31900	71325	39425	2.23
Cereals	ICM in Summer Paddy	Integrated crop management in summer paddy KMP-105 (Raksha)	1	10	2	In Progress												
Millets	ICM with Short duration variety	Integrated crop management in Ragi KMR 204	1	25	10	28.15	25.16	12.0	No. of tillers/ Plant 7.4	5.8	21800	50724	28924	2.32	20200	45288	25088	2.24
Oilseeds																		
Pulses																		
Vegetables	Integrated Crop management with Varietal introduction	Integrated Crop Management (ICM) in Tomato	1	10	2	760	460	65	-	-	50200	158632	108432	3.16	35150	70300	35150	2.00
Vegetables	Varietal Introduction	Introduction of high yielding drumstick variety Bhagya	1	5	2	35	21	66	-	-	25000	87500	62500	3.5	18000	52500	34500	2.91
Vegetables	Varietal Introduction	Introduction of multi cut Amaranth variety Arka Arunima	1	20	4	250	120	108	-	-	8655	30900	22245	3.57	8555	14629	6074	1.71
Vegetables	Varietal Introduction	Introduction of multi cut variety Arka Anupama	1	10	2	380	250	52	-	-	8107	25620	17512	3.16	7952	15904	7952	2.0
Vegetables	ICM in cabbage	Integrated crop Management in Cabbage	1	10	5	32.80	28.80	13.80	Head weight (kg) 2.05	1.82	25600	64440	38840	2.51	24800	61980	37180	2.49
Vegetables	IPM	Poison bait for management of Spodoptera in potato	1	10	4	57	58.60	2.81	-	-	20640	89550	68910	4.36	19270	85500	66230	4.47
Vegetables	IPM	Management of Mite in Potato	1	32	10	59.60	41.40	43.96			15205	89400	74195	5.93	13700	62100	48400	4.59
Flowers																		
Ornamental																		
Fruit	ICM	Integrated Crop Management (ICM) in Mango	1	10	4	In Progress												
Fibres																		
Spices and condiments																		
Commercial	Integrated Trash Management	Integrated Sugarcane Trash management	1	10	5	In Progress												
Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Crop	Thematic area	Name of the technology demonstrated	No. of KVKs	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
						Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Fodder	Fodder production	Introduction of multi cut sorghum variety COFS-29-1	1	10	5	330	293	12.63			12750	66000	53250	5.17	13000	58600	45600	4.50
Plantation	IPDM	Integrated Pest and Disease management in Coconut	1	10	4	-	-	-	% disease incidence		In Progress							
									2.30	10.70								
	IPM	IPM in Coconut	**1**	10	10				No. of RPW trapped		In Progress							
Fibre									13.70	-								
Others (pl.specify) Storage	Pest control in pulses	Stored grain pest management	1	10	5	In Progress												
Nursery	IPM	Management of Snail, Achatina fulica in Nursery/ Agril. Crops	1	25	10	-	-	-	No. of dead/alive snails 2 day after treatment / 100 sq. ft.		-	-	-	-	-	-	-	-
									75.25 Dead	101.90 Alive								
		Total	13	172	60													

* 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	Management	Integrated management		5	5	% injuries/bed sores	% injuries/bed sores	100.00	number of animals showed mastitis during 6 months	number of animals showed mastitis during 6 months -	-	-	-	-	-	-	-	-
	Fodder production	COFS 29		10	10	Yield	Yield	12.63	-	---	12750	66000	53250	5.17	13000	58600	45600	4.50
	Mechanization	Chaff cutter		10	10	% consumption of fodder	% consumption of fodder	In progress										
Poultry	Backyard	Disease control		10	5000	% mortality due to ND	% mortality due to ND	75.00	-	-								
	Backyard	Turkey birds		10	100	Body weight @ 20th week	Body weight @ 20th week	70.23	-	-	442	675	233	1.52	162	317.2	155.20	1.95
Rabbitry																		
Pigerry	Disease management	Swine fever vaccine		5	60	% mortality due to swine fever	% mortality due to swine fever	100.00	Body weight at 8th month of age	Body weight at 8th month of age	3754	6584	2830	1.75	3600	5104	1504	1.41
Sheep and goat	Scientific management	Sirhoi /local		3	300	Body weight at 8th month of age	Body weight at 8th month of age	23.43	% animals showing health disorders during 6 months	% animals showing health disorders during 6 months	2893.33	3866	972.67	1.29	2860	3132	272	1.09
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 / ha	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	Fish Production	Fish culture in fresh water	1	7	2.8	Growth, water quality ,Yield	Growth, water quality ,Yield	280	-	-	9875	48857	39000	4.96	4500	12857	8357	2.89
	seed rearing survivability	Fry to Fingerling seed Production of Catla	1	4	4	Survivability Mortality	Survivability Mortality	55.5	-	-	3037	11250	8213	3.70	3375	7250	3875	2.14
Mussels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ornamental fishes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total		2	11	6.8													

* 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									
Chaff cutter	Fodder	Use of Chaff cutter	1	10	10	In progress	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-		-		-	-	-	-	-	-	-

* 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)			
				Demonstration	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals										
Bajra		-	-	-	-	-	-		-	
Maize	Hema	10	5	6215	5955	4.36	25500	80797	55297	3.16
Rice	-	-	-	-	-	-		-		-
Sorghum	-	-	-	-	-	-		-		-

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demonstration	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
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)	-	-	-	-	-	-		-		-
	-	-	-	-	-	-		-		-
Total	-	-	-	-	-	-		-		-
Vegetable crops	-	-	-	-	-	-		-		-
Bottle gourd	-	-	-	-	-	-		-		-
Capsicum	-	-	-	-	-	-		-		-
Others (pl.specify)	-	-	-	-	-	-		-		-
	-	-	-	-	-	-		-		-
Total	-	-	-	-	-	-		-		-
Cucumber	-	-	-	-	-	-		-		-
Tomato	-	-	-	-	-	-		-		-
Brinjal	-	-	-	-	-	-		-		-
Okra	-	-	-	-	-	-		-		-

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demonstration	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
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		10	5							

IV. Training Programme

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/Irrigation	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	19	175	280	455	10	12	22	185	292	477
Soil and Water Conservation	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)Fodder crop improvement	1	20	8	28	3	5	8	23	13	36
Others : Food Productivity	1	25	20	45	0	0	0	25	20	45
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) Crop production and marketing	3	107	40	147	2	6	8	109	46	155
b) Fruits	-	-	-	-	-	-	-	-	-	-
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	1	28	0	28	3	0	3	31	0	31
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
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
c) Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Nursery Management	1	0	20	20	0	15	15	0	35	35
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl.specify) Production	3	0	66	66	0	60	60	0	126	126
d) Plantation crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
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	2	51	9	60	4	0	4	55	9	64
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient use efficiency	-	-	-	-	-	-	-	-	-	-
Balanced use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and water testing	-	-	-	-	-	-	-	-	-	-
Others (pl.specify) Soil and water conservation	1	12	0	12	18	0	18	30	0	30
Livestock Production and Management	-	-	-	-	-	-	-	-	-	-
Dairy Management	34	19	1260	1279	4	104	108	23	1364	1387
Poultry Management	1	19	3	22	0	0	0	19	3	22
Piggery Management	1	11	1	12	3	0	3	14	1	15
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
Animal Disease Management	-	-	-	-	-	-	-	-	-	-
Feed and Fodder technology	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
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	2	3	59	62	0	2	2	3	61	64
Women empowerment	-	-	-	-	-	-	-	-	-	-
Location specific drudgery production	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
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	2	56	0	56	2	0	2	58	0	58
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	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
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)	-	-	-	-	-	-	-	-	-	-
CapacityBuilding and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	22	39	660	699	0	331	331	39	991	1030
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	94	565	2426	2991	49	535	584	614	2961	3575

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/Irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	3	113	40	153	1	4	5	114	44	158
Soil and Water Conservation	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Others (pl.specify) ICM	2	48	17	65	2	0	2	50	17	67
Horticulture	-	-	-	-	-	-	-	-	-	-
a) Vegetable Crops	-	-	-	-	-	-	-	-	-	-
Production of low value and high volume crop	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl.specify) Production	1	31	6	37	0	0	0	31	6	37
b) Fruits	-	-	-	-	-	-	-	-	-	-
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	4	97	102	199	0	0	0	97	102	199
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	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
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)	-	-	-	-	-	-	-	-	-	-
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	9	271	241	512	0	0	0	271	241	512
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	37	16	53	1	0	1	38	16	54
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management	-	-	-	-	-	-	-	-	-	-
Dairy Management	1	10	7	17	6	0	6	16	7	23
Poultry Management	7	250	30	280	0	0	0	250	30	280
Piggery Management	2	37	8	45	0	0	0	37	8	45
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
Animal Disease Management	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Feed and Fodder technology	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl.specify) Sheep Farming	2	74	0	74	0	0	0	74	0	74
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	4	0	225	225	0	5	5	0	230	230
Women empowerment	-	-	-	-	-	-	-	-	-	-
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	149	5	154	3	0	3	152	5	157

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Integrated Disease Management	1	41	0	41	0	0	0	41	0	41
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Others (pl.specify) Snail management	2	36	9	45	0	0	0	36	9	45
Fisheries	-	-	-	-	-	-	-	-	-	-
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	1	0	24	24	0	0	0	0	24	24
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	-	-	-	-	-	-	-	-	-	-

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 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)	-	-	-	-	-	-	-	-	-	-
CapacityBuilding 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	47	1194	730	1924	13	9	22	1207	739	1946

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	1	25	0	25	4	1	5	29	1	30
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Integrated farming	1	30	3	33	15	6	21	45	9	54
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	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	2	55	3	58	19	7	26	74	10	84

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	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
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)	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-

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/ Horticulture crops	2	56	8	64	0	0	0	56	8	64
Integrated Pest Management	1	42	8	50	0	0	0	42	8	50
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	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
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	9	2	11	0	0	0	9	2	11
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other : sericulture	1	33	4	37	4	0	4	37	4	41
Total	5	140	22	162	4	0	4	144	22	166

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	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	1	23	5	28	0	0	0	23	5	28
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	1	45	8	53	2	0	2	47	8	55
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
Total	2	68	13	81	2	0	2	70	13	83

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	20	184	312	496	10	13	23	194	325	519
1.b.	Commercial production of vegetables	4	81	70	151	2	52	54	83	122	205
2	**Production and value addition**										
2.a.	Fruit Plants	1	28	0	28	3	0	3	31	0	31
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	33	20	1235	1255	3	108	111	23	1343	1366
10.b.	Animal Disease Management	-	-	-	-	-	-	-	-	-	-
10.c	Fisheries Nutrition	-	-	-	-	-	-	-	-	-	-
10.d	Fisheries Management	-	-	-	-	-	-	-	-	-	-
10.e.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
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.	CapacityBuilding and Group Dynamics	24	39	712	751	0	360	360	39	1072	1111
12.b.	Others (pl.specify) Soil and water conservation	1	12	0	12	18	0	18	30	0	30
	Total	83	364	2329	2693	36	533	569	400	2862	3262

Details of Vocational Training Programmes carried out for rural youth

S.No.	Area of training	No. of	No. of Participants

		Courses	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 (Coconut palm climbing and plant protection)	3	46	5	51	8	1	9	54	6	60
2	**Post harvest technology and value addition**										
2.a.	Value addition	-	-	-	-	-	-	-	-	-	-
2.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
3.	**Livestock and fisheries**										
3.a.	Dairy farming	1	4	1	5	3	0	3	7	1	8
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)	-	-	-	-	-	-	-	-	-	-
5	**Agricultural Extension**										
5.a.	Capacity building and group dynamics	-	-	-	-	-	-	-	-	-	-
5.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	Grand Total	4	50	6	56	11	1	12	61	7	68

V. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	77	1000	-	1000
Diagnostic visits	54	621	-	621
Field Day	10	697	-	697
Group discussions	29	1619	-	1619
Kisan Ghosthi	1	110	-	110
Film Show	52	2150	-	2150
Self -help groups	-	-	-	

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Kisan Mela	-	-	-	
Exhibition	7	63809	-	63809
Scientists' visit to farmers field	57	586	-	586
Plant/animal health camps	6	206	-	206
Farm Science Club	-	-	-	
Ex-trainees Sammelan	-	-	-	
Farmers' seminar/workshop	-	-	-	
Method Demonstrations	19	371	-	371
Celebration of important days	16	18374	-	18374
Special day celebration	-	-	-	
Exposure visits	9	723	-	723
Others (pl.specify)	-	-	-	
Lectures delivered as resource persons	178	20216	-	20216
Farmers visit to KVK	467	467	-	467
Important meetings	96	-	-	
Farm trails	2	-	-	
Teaching Aids Developed	64	-	-	
Farmers Field school activities	5	155	-	155
KMAS Service	27	237138	-	237138
Voice Message Service	25	2116	-	2116
Total	1201	350358	-	350358

Details of other extension programmes

Particulars	Number
Electronic Media	-
Extension Literature	19
News Letter	500
News paper coverage	145
Technical Articles	62
Technical Bulletins	-
Technical Reports	-
Radio Talks	10
TV Talks	11
Animal health camps (Number of animals treated)	1004
Others (pl.specify)	-

Particulars	Number
Total	**1751**

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)	Ragi	GPU-28	10.00	In stock	
	Ragi	GPU-48	12.00	In stock	
	Ragi	MR- 66	1.50	In stock	
	Ragi	ML – 365	8.00	In stock	
	Paddy	Thunga	30.66	In stock	
Oilseeds	Sunhemp	Local	3.50	In stock	
Pulses	Redgram	BRG -1	3.50	In stock	
	Cowpea	Local	0.28	In stock	
Commercial crops					
Vegetables					
Flower crops					
Spices					
Fodder crop seeds	Grass slips (No)	CO-3	115765	66995	
Fiber crops					
Forest Species					
Others (specify)					
Total				**66995**	

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	Bhagya	4790	47900	31
Fruits	Mango	Alphanso/ Rasapuri	1689	94610	12
	Lemon	Local	102	1530	2
	Papaya	Red lady	3666	43992	24
	Jack	Gumless	375	28125	14
	Tamarind	PKM-1	375	27075	14

Ornamental plants						**Production of Bio-Products**
Medicinal and Aromatic	Chakramuni	Local	422	4220	5	
	Insulin	Local	412	4120	4	
Plantation	Arecanut	Mangala	496	4960	20	
Spices						
Tuber						
Fodder crop saplings						
Forest Species	Silver Oak	Local	2930	8790	15	
Others						
Total			15257	265322	141	

Bio Products	**Name of the bio-product**	**Quantity Kg**	**Value (Rs.)**	**No. of Farmers**
Bio Fertilizers				
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others	Earthworm	84.5	22925	37
Total		**84.5**	**22925**	

Production of livestock and related enterprise materials

Particulars of Live stock	**Name of the breed**	**Number**	**Value (Rs.)**	**No. of Farmers**
Dairy animals				
Cows	Cross breeds	9970.75	222409.5	Sold to dairy
Buffaloes				
Calves	Cross bred	3	6520	1
Others (Pl. specify) Aged cows	Cross bred	3	50700	1
Poultry				
Broilers				
Layers				
Duals (broiler and layer)	Giriraja	3970	273825	749
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Piglet	Yorkshire cross	37	66600	30
Others (Pl.specify) Sheep	UAS sheep	18	27400	12
Fisheries				
Fingerlings				
Others (Pl. specify)				
Total		14001.75	647454.5	**793**

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS2012-13

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil Samples	292	200	200	8760
Water Samples	80	80	64	6550
Lime samples	16	16	10	2360
Organic Manure samples	4	4	4	800
Others (specify)	-	-	-	-
Total	**392**	**300**	**278**	**18470**

VIII. SCIENTIFIC ADVISORY COMMITTEE

Number of SACs conducted : 1

IX. NEWSLETTER

Number of issues of newsletter published : 500

X. RESEARCH PAPER PUBLISHED

Number of research paper published : -

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

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