ANNUAL PROGRESS REPORT

(APRIL 2014 - MARCH 2015)

PART I - GENERAL INFORMATION ABOUT THE KVK

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

KVK Address	Telephone		E mail	Web Address
	Office	Fax		
KRISHI VIGYAN KENDRA (IIHR-ICAR) **Gonikoppal**-571213, Kodagu District Karnataka	08274 - 247274	08274-247274	iihrkvkgk@yahoo.co.in	**www.kvkkodagu.org**

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

Address	Telephone		E mail	Web Address
	Office	Fax		
INDIAN INSTITUTE OF HORTICULTURAL RESEARCH (ICAR) Hessaraghatta Lake Post Bengaluru-560 089	080 -28466420/21/22	080 -28466290	iihr@ernet.in	**www.iihr.res.in**

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr.Saju George	-	9945035707	Saju_74@iihr.ernet.in

1.4. Year of sanction: 1976

1.5. Staff Position (as 31st March 2015)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M/F	Discipline	Highest Qualification (for PC, SMS and Prog. Asstt.)	Pay Scale	Basic pay	Date of joining KVK	Permanent / Temporary	Category (SC/ST / OBC/ Others)
1	Programme Coordinator	**Dr.Saju George**	Programme Coordinator	M	Agril. Extn.	P.hd			-		
2	Subject Matter Specialist	K. A. Devaiah	Subject Matter Specialist	M	Horticulture	M.Sc (Hort)	15600 -39100		30.11.1993	Permanent	
3	Subject Matter Specialist	B. Prabhakara	Subject Matter Specialist	M	Horticulture	M.Sc (Hort)	15600 -39100		03.04.2007	Permanent	
4	Subject Matter Specialist	Veerendra Kumar K.V	Subject Matter Specialist	M	Plant Protection	M.Sc (Agri.)	15600 -39100		02.12.2009	Permanent	
5	Subject Matter Specialist	Dr.Suresh S.C	Subject Matter Specialist	M	Livestock	M.V.sc	15600 -39100		09.02.2011	Permanent	
6	Subject Matter Specialist	-	Subject Matter Specialist		-	-	-	-	-	-	-
7	Subject Matter Specialist	-	Subject Matter Specialist		-	-	-	-	-	-	-
8	Programme Assistant	C .K. Vasantha Kumar	Programme Assistant	M	-	M.Sc	9300-34800		06.9.1976	Permanent	
9	Computer Programmer	M .K .Padmavathy	Computer Programmer	F	-	M.Sc	15600 -39100		21.01.1983	Permanent	
10	Farm Manager	-	Farm Manager		-	-	-	-	-		
11	Accountant/Superintendent	P. C. Ponnamma	Accountant/Superintendent	F	-	-	9300-34800			Permanent	
12	Stenographer	Mubeen Taj	Stenographer	F	-	-	5200-20200		18.04.2011	Permanent	
13	Driver 1	-	Driver 1		-	-					
14	Driver 2	-	Driver 2		-	-	-	-	-		

15	Supporting staff 1	B. N.Janaki	Supporting staff 1	F	-	-	4440-7440		25.03.1985	Permanent	
16	Supporting staff 2	-	Supporting staff 2		-	-		-	-		

1.6. Total land with KVK (in ha) : 17.5 ha

Sl. No.	Item	Area (ha)
1	Under Buildings	6.1
2.	Under Demonstration Units	1.0
3.	Under Crops	1.0
4.	Orchard/Agro-forestry	9.4
5	Others	-

1.7. Infrastructural Development:

A) Buildings

Sl. N	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	ICAR	2001	500	77,34,081	-	-	-
2.	Farmers Hostel	ICAR	2001	300		-	-	-
3.	Staff Quarters	ICAR	Nil					
4.	Demonstration Units	ICAR	1995	160	15,25,588	-	-	-
5	Fencing	Nil						
6	Rain Water harvesting system	Nil						
7	Threshing floor	Nil						
8	Farm godown	Nil						

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep (Mahindra hard top)	1998		362675	-
Tractor (M. Ferguson)	2004			Good
Bike (Bajaj-CT-100)	2004		21011	Good
Power Tiller	2011			Good
Hero Honda Splendor Plus	2009		12985	Good

B) Equipments & AV aids

Name of the Equipment	Year of Purchase	Cost (Rs.)	Present Status
PA System	2002	11,408	Good
Aqua guard(2)	2003	1500	Good
Electronic weighing Balance	2004	15550	Good
Photocopier (Toshiba e studio 160)	2004	157.899	Good
Computer with accessories	2005	74,640	Good
Back pack sprayer	2005	9050	Good
Tiller mounted power sprayer	2005	23,750	Good
Mechanical weeder	2005	30,000	Good
HP Scanner 3770	2005	7650	Good
Stack feeder bi pass	2005	5122	Good
Computer with accessories	2005	51,683	Good
Solar water heater	2006	77,036	Good
Balance	2006	9000	Good
Display boards	2006	9976	Good
Citizen balance	2006	68850	Good
Computer with accessories	2007	59,808	Good
Microwave oven	2007	13,850	Good
LCD projector	2011	1,00,000	Good
Power sprayer	2011	36,000	Good
Generator (5 KV)	2011	1,06,000	Good
Computer with accessories	2011	49,120	Good
Mechanical weeder	2011	24,000	Good
Camera SX 3015 (Canon)	2011	27680	Good
Disc plough & Disc harrow	2011	82,950	Good
Tr. mounted weed slasher	2011	85,195	Good
Extendable Al. ladder	2011	17,556	Good
BOD	2015	80,000	New
Solar energy int. autoclave	2015	2.49,000	New
Grain boiler	2015		New
Bag filler	2015		New
Boiled grain and chalk powder mixer	2015		New
Digital balance	2015	9,500	New
Laminar Air flow	2015	1,17,000	New

1.8. Details SAC meeting conducted in 2014-15: 21st October 2014

Salient Recommendations	Action taken
• Suggested to take up assessment of paired row system of planting in Nendran and Ney Poovan to increase the production and productivity in the district.	• Will be proposed during the coming Action plan 2015-16
• Suggested to take up assessment of Ginger varieties released by the IISR, Calicut other than the IISR Varada for the benefit of the district farmers.	• Will be proposed during the coming Action plan 2015-16
• Suggested to give wide publicity of the programmes organized by the KVK before and after the programme in All India Radio, Madikeri for the benefit of unreached farmers and organized press and media meet at least three months once for better awareness of the activities of KVK in the district.	• Due care had been taken when the programmes were organized at and off-campus of the KVK during the period
• Explore the possibilities for the innovative approach of Public Private Partnership (PPP) mode in the analysis of selective implemented activities of KVK, mechanization in paddy, alternative crops for paddy fallows, retention of paddy area in the district, alternate cropping in the coffee based cropping system diversification.	• Efforts are in progress with the Host Institute and NABARD for taking up of vegetables demonstrations in the paddy fallows and production of Arka microbial consortia for management of wilt in black pepper.
• Suggested to conduct training programmes on Piggery, Goatary and Nursery as it provides quick and good income to the small and marginal farmers in the	• More than eight programmes were organized during the period and more will be taken up during the current period.
• Suggested to take up demonstration of high yielding varieties of paddy in Bhagamandala block of Madikeri taluk as the farmers are not aware of new varieties and their potentialities.	• Will be proposed during the coming Action plan 2015-16
• Suggested that KVK specialists to participate in the recording and live in programmes in regular interval as a	

resource persons in the AIR, Madikeri. • Suggested to conduct more number of Integrated Farming System(IFS) models demonstrations and its training programmes, as it is more sustainable with respect to income generation, recycling of farm wastes, higher labour and input efficiency and more compatible to the district. • Suggested to organize more number of training programmes on processing and preservation of fruit and vegetables, mushroom cultivation, nutrition gardening. • Suggested to avail the facility at NHM, NHB, RKVY for generation of seed and planting material, construction of poly houses, IPM, IDM, IDM practices for management of horticultural crops • Suggested to explore the possibilities for paddy fallows, mixed cropping system in coffee, linking of market intelligence to the website of KVK. • Suggested to explore the possibilities for technology diffusion studies of the selective technologies undertaken by the KVK in a phased manner.	• Due care had been taken for participation in the AIR, Madikeri, DD, Bengaluru and local channel during the period • Three vocational training programme were organized during the period apart from demonstrations of IFS unit at each taluk viz. Arvathoklu(Virajpet), Kaggodlu (Madikeri) and Areyur (Somwarpet) • Sixteen training programme were conducted at KVK and outside the KVK in collaboration with the line departments and NGOs • A project have been proposed for production of planting material of black pepper under NHM(30 lakhs), mushroom spawn unit production will be commenced soon (Aid from NHM, 15 lakhs) and also a project have been sectioned from NABARD for production of AMC worth of Rs. 5. 0 lakhs. • Due care have been taken in incorporation of market information in the KVK website. About 100 acres of vegetable demonstrations is taken up in the district during the summer 2015 in collaboration with the host institute. • Will be taken up in the due course.

PART II - DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1	Coffee + Pepper + Coorg Mandarin
2	Coffee + Pepper + Cardamom
3	Paddy, Ginger, Banana, Vegetables in low lands
4	Coffee + Pepper + Arecanut
5	Horticulture + 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	Sub tropical humid zone	Mountainous with altitude of 2400 feet above MSL Mean Annual rainfall- 2800 mm

S. No	Agro ecological situation	Characteristics
1	Major intercrops in multi tier cropping system are Coffee, Pepper, Cardamom, Coorg mandarin and Arecanut. Paddy and Ginger are the crops of low lying areas.	Misty climate with clouds with less relative humidity in South Coorg area and less misty, semi malnad climate in North Coorg.

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Sandy loam soils	Acidic, low to medium clay content	99560
2	Red loam soils	With good humus content	123965
Total			**223525**

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

S. No	Crop	Area (ha)	Production (tons)	Productivity (kg /ha)
1	Coffee	104730	124100	1184
2	Pepper	8880	39385	448
3	Cardamom	9043	1164	130

4	Coorg Mandarin	943	23575	25000
5	Banana	1541	9973	6472
6	Arecanut	2994	4188	1413
7	Paddy	35362	127116	3784

2.5. Weather data for the year 2014-15

Month	**Rainfall (mm)**	**Temperature ^{0} C**		**Relative Humidity (%)**
		Maximum	**Minimum**	
April	**106.0**	34	22	65
May	263.6	32	22	60
June	444.5	30	19	58
July	1067.9	30	20	68
August	926	26	21	72
September	487.2	26	19	68
October	158.4	25	18	73
November	35.4	25	18	81
December	26.3	25	17	82
January	0.3	26	18	81
February	6.8	27	20	72
March	45.4	32	21	68

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

Category	**Population**	**Production**	**Productivity**
Cattle			
Crossbred	116515	**-**	**-**
Indigenous		**-**	**-**
Buffalo	31616	**-**	**-**
Sheep			
Crossbred	416	**-**	**-**
Indigenous		**-**	**-**
Goats	4472	**-**	**-**
Pigs	24748	**-**	**-**
Rabbits			
Poultry			
Hens	269826	**-**	**-**
Desi		**-**	**-**
Improved		**-**	**-**
Ducks	**-**	**-**	**-**
Turkey and others	**-**	**-**	**-**
Category	**Area**	**Production**	**Productivity**
Fish	**-**	**-**	**-**
Marine	**-**	**-**	**-**
Inland	**-**	**-**	**-**
Prawn	**-**	**-**	**-**
Scampi	**-**	**-**	**-**

Shrimp	-	-	-

* District profile has been **Updated** for 2014-15 Yes

2.8 Details of Operational area / Villages

Sl. No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Madikeri	• Bhagamandala	• Thavoor • Korangala	2010-15	● Coffee,Pepper ● Arecanut,Ginger ● Anthurium, ● Cardamom ● Paddy,Vegetables ● Piggery	● Poor yield in Paddy and Arecanut ● Berry borer in coffee, ● Wilt in Pepper ● Lack of knowledge on value addition ● Shoot borer problem in Ginger	● High Yielding varieties of Paddy ● Integrated nutrient mgmt. ● IPDM in Horticultural crops ● Value addition in fruits and vegetables ● Income generation
2	Virajpet	• Balale	• Kaikeri • Dhanugala • Balyamandoor • Kottageri	2010-15	• Coffee,Pepper • Arecanut,Ginger • Banana, Paddy • Piggery.Poultry • Value addition	• Low yield in Paddy • Poor yield in Banana • Berry borer in coffee • Wilt in Pepper • Lack of knowledge on value addition • Poor quality pork production	• Integrated nutrient management in Pepper and Paddy • IDM in Pepper • Value addition in fruits and vegetables • Upgradation of local Pigs
3	Somwarpet	• Areyuru	• Areyuru • Chowdlu	2010-15	• Coffee, Pepper • Maize, Ginger • Cardamom,	• Berry borer in coffee • Low yield and	• Introduction of HYV of Chilly • IPM in Chilly

Sl. No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK	Major crops & enterprises	Major problem identified	Identified Thrust Areas
					• Vegetables, Value addition	Wilt in Pepper • White stem borer in Coffee • Lack of knowledge on value addition • Poor nutrient status in paddy	• Value addition in fruits and vegetables • INM in Vegetables

2.9 Priority thrust areas

Sl. No	Thrust areas
1	Integrated Nutrient Management in Coorg mandarin, Paddy, Banana, Black pepper
2	ICM in vegetables
3	Plant Protection in Agri and Horticultural crops
4	Value addition in Horticultural crops
5	Upgradation of Local Pigs
6	Entrepreneurship programmes for self help groups

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
03	03	15	15	09	08	145	125

Training				Extension Activities			
3				4			
Number of Courses		Number of Participants		Number of activities		Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
100	69	3000	2694	2000	1765	20000	27177

Seed Production (Qtl.)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
-	13 kg	25000	28040

Livestock (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
60	12	-	-

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

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
													No.	Kg
1	Spacing	Banana	Low plant population leading to reduced yield and quality	Assessment of Paired row planting system in Banana var. G-9	-	4	1	-	2	-	1200 No. TC banana	-	-	-
2	Varietal	Ginger	Poor yield and dry recovery	Assessment of high yielding Ginger variety IISR Varada	-	2	-	-	4	150 kg	-	-	-	-
3	INM	Banana	Low yield Improper nutrition	-	Enhancement of Bunch size in Banana	5	-	-	5	-	-	-	-	-
	INM	Citrus	Low yield Improper nutrition		Rejuvenation of coorg mandarin	1	-	-	5					
4	Pest managem	Coffee	Incidences of		Assessment of white stem	3	-	-	3	-	-	-	-	-

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
			ent	white stem borer	borer mgmt. in Arabica coffee -									
				Permanent lameness in adult pigs	Assessment of effective treatment for Foot rot in pigs									
5	Disease mgmt.	Piggery			-	2	1	1	3	-	-	-	-	-
6			Paralysis in piglets	-	Effective treatment for Hind Limb paralysis in pigs	4	1	3	3	-	-	-	-	-
7			Poor body weight gain in local pigs	-	Upgradation of local pigs using Duroc Boars	6	1	1	5	-	-	10 boars	-	-
8	Introduction of HYV	Paddy	Low yield	-	Introduction of Paddy variety Tunga	6	-	3	2	6.0	-	-	-	-
			Incidences of Blast disease	-	Management of Blast disease in Paddy	4	-	1	2	-	-	-	-	-
9	ICM	Chilli	Low yield, Lack of awareness on hybrids Improper application of nutrients and	-	ICM in Chilli	2	-	-	2	1 kg	-	-	Microbial consortia	30 kg

				Interventions										
S. No	**Thrust area**	**Crop/ Enterprise**	**Identified Problem**											
10	Disease management	Pepper	Quick wilt disease incidences	-	Management of Quick wilt disease in Pepper	6	-	-	8	-	-	-	Trichoderma	100 kg
8	Live stock	Goatary	Parasitism leading to poor body gain	-	Introduction of effective endectoparasitic ides in goats	3	-	-	6	-	-	-	-	-

3.B2. Details of technology used during reporting period

S.No	Title of Technology	Source of technology	Crop/enterprise	No. of programmes conducted			
				OFT	FLD	Training	Others (Specify)
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
1	Assessment of high yielding Ginger variety IISR Varada	IISR, Calicut	Ginger	1			
2	Assessment of Paired row planting system in Banana var. G-9	NRC-B, Trichi	Banana	1	-		
3	Assessment of foot rot disease management in Black pepper	IIHR,Bengaluru	Black Pepper	1			

4	Blast disease management in Paddy	UAS, Bengaluru	Paddy		1		
5	Enhancement of bunch size in Banana	IIHR, Bengaluru	Banana		1		
6	Integrated crop Management in Coorg Mandarin	KVAFSU, Bidar	Coorg Mandarin		1		
7	Foliar nutrition of Black Pepper for high yield and quality	KVAFSU, Bidar	Black Pepper		1		
8	Introduction of Yard Long bean variety *Arka Mangala*	UAS, Bengaluru	Yard Long bean		1		
9	Introduction of effective Acaricide against Sarcoptic Mange in Pigs	UAS, Bengaluru	Piggery		1		
10	Effective treatment for Foot Rot/Soft Hoof problem in Pigs	IIHR, Bengaluru	Piggery		1		
11	Introduction of Fodder grass CO-3for increased milk yield in CB cows	IISR, Calicut	Fodder		1		

3.B2 contd..

No. of farmers covered															
OFT				**FLD**				**Training**				**Others (Ext. activity)**			
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**
05	00	00	00												
04	00	01	00												
05	00	00	00												
				15	00	04	01								
				22	02	04	02								
				20	00	00	00								
				12	02	01	00								

				20	00	00	00								
				10	00	00	00								
				06	02	02	00								
				08	00	02	00								

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
Varietal Evaluation				01		01				02
Integrated Pest Management								01		01
Integrated Crop Management										
Total				**01**		**01**		**01**		**03**

4.A2. Abstract on the number of technologies refined in respect of crops : Nil

4.A3. Abstract on the number of technologies assessed in respect of livestock enterprises : Nil
4.A4. Abstract on the number of technologies refined in respect of livestock enterprises : Nil

4.B. Achievements on technologies Assessed and Refined

4.B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trail covering all the Technological Options)
Varietal Evaluation	Ginger	Assessment of High Yielding	05	05	1.0

		Ginger variety IISR Varada			
Integrated Crop Management	Banana	Assessment of Paired row system of planting in Banana variety Grand naine	05	05	2.0
Integrated Disease Management	Black Pepper	Assessment of foot rot disease management in Black pepper	05	05	0.25
Total	**03**		**15**	**15**	**3.25**

4.B.2. Technologies Refined under various Crops : Nil

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

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

4.C1. Results of Technologies Assessed

Results of On Farm Trial

1. **Assessment of High Yielding Ginger variety IISR Varada**

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	Protected irrigation	Low yield and poor dry recovery	Assessment of High Yielding Ginger variety IISR Varada	05	Himachal	Yield q/ha	115.6	181.7	Noticed higher yield, less disease incidence and suitable for late harvesting	-	-
					Rio-de-geneiro	Yield q/ha	162.5				
					IISR Varada	Yield q/ha	181.7				

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 : Himachal	-	115.6	q/ha	406120	3.08
Technology option 2: Rio -de -geneiro	UAS-B	162.5	q/ha	650000	4.33
Technology option 3: IISR Varada	IISR, Calicut	181.7	q/ha	749840	4.85

2. Assessment of Paired row system of planting in Banana variety Grand naine

Crop/	**Farmin**	**Proble**	**Title of**	**No.**	**Technolog**	**Paramet**	**Data**	**Results**	**Feedback**	**Any**	**Justificat**

enterprise	g situation	m definition	OFT	of trials	y Assessed	ers of assessment	on the parameter	of assessment	from the farmer	refinement needed	ion for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Banana	Protected irrigation	Low yield and quality due to reduced plants/ ha	Assessment of Paired row system of planting in Banana variety Grand naine	05	2x2M single row (2225 pl/ha)	Yield (t/ha)	49.2	87.6	Market prefers bunches of medium size which fetch better price	-	
					1.8x1.8M single row (3000 pl/ha)	Yield (t/ha)	65.0				
					Paired row of 1.2x1.2x2.0M (5200 pl/ha)	Yield (t/ha)	87.6				

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 : 2x2M single row(2225 pl/ha)	-	49.2	t/ha	181555	1.97
Technology option 2: 1.8x1.8M single row(3000 pl/ha)	UAS-B	65.0	t/ha	283074	2.38
Technology option 3: Paired row of 1.2x1.2x2.0M (5200 pl/ha)	NRC, Trichi	87.6	t/ha	408830	2.64

3. **Assessment of foot rot disease management in Black pepper**

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
Black pepper	Rainfed	Incidence of Foot rot disease	Assessment of foot rot disease management in Black pepper	05	Spraying of Bordeaux Mixture	% Disease incidence	16.59	7.32	Drenching of Arka Microbial Consortium during June, September and October reduces the disease incidence, spike shedding and recovery from yellowing	-	-
					• Spraying of Potassium Phosphonate • Drenching of Metalaxyl + Mancozeb		8.08				
					• Drenching of Arka Microbial Consortium during June, September and October		7.32				

Contd..

Technology Assessed	Source of Technology	Production	unit	Net Return (Rs.)	BC Ratio
13	14	15	16	17	18
Technology option 1 : Spraying of Bordeaux Mixture	-	5.02	q/ha	164000	2.89
• Technology option 2 • Spraying of Potassium Phosphonate Drenching of Metalaxyl + Mancozeb	IISR,Calicut	8.56	q/ha	318000	3.88
Technology option 3 Drenching of Arka Microbial Consortium during June, September	IIHR,	8.55	q/h	319500	3.95

and October	Bengaluru		a		

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

1. **Assessment of High Yielding Ginger variety IISR Varada**

Title of Technology Assessed	Assessment of High Yielding Ginger variety IISR Varada
Problem Definition	Low yield and poor dry recovery
Details of technologies selected for assessment	IISR Varada
Source of technology	IISR, Calicut
Production system and thematic area	Protected irrigation and varietal trial
Performance of the Technology with performance indicators	Noticed higher yield, less disease incidence and suitable for delayed harvesting.
Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	Group meeting, Field day
Final recommendation for micro level situation	Performed better in yield and dry recovery than the recommended variety Rio de geneiro and Himachal
Constraints identified and feedback for research	Nil
Process of farmers participation and their reaction	Farmer opinion taken through Group meeting, Training, details after the crop completion to come to the final conclusion.

2. **Assessment of Paired row system of planting in Banana variety Grand Naine**

Title of Technology Assessed	Assessment of Paired row system of planting in Banana variety Grand Naine
Problem Definition	Low yield and quality due to reduced plants/ha
Details of technologies selected for assessment	Paired row system of planting
Source of technology	NRC, Trichi
Production system and thematic area	Protected irrigation and spacing trial
Performance of the Technology with performance indicators	Noticed higher yield, medium sized bunch
Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	Group meeting, Training and Field day
Final recommendation for micro level situation	Quantity and quality bunches results in higher returns per ha.
Constraints identified and	Nil

feedback for research	
Process of farmers participation and their reaction	Farmer opinion taken through Group meeting, Training, details after the crop completion to come to the final conclusion

3. Assessment of foot rot disease management in Black pepper

Title of Technology Assessed	**Assessment of foot rot disease management in Black pepper**
Problem Definition	Incidence of foot rot disease leading to death of plants
Details of technologies selected for assessment	Drenching of Arka Microbial Consortium during June, September and October
Source of technology	IIHR, Bengaluru
Production system and thematic area	Rainfed and Disease management
Performance of the Technology with performance indicators	Timely drenching of Arka Microbial Consortium will reduce the disease incidence and spike shedding
Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	Group meeting, Training and Method demonstration
Final recommendation for micro level situation	Timely drenching of Arka Microbial Consortium will reduce the disease incidence and spike shedding
Constraints identified and feedback for research	Nil
Process of farmers participation and their reaction	Farmer opinion taken through Group meeting, Training, details after the crop completion to come to the final conclusion

4.D1. Results of Technologies Refined : Nil

PART V - FRONTLINE DEMONSTRATIONS

5.A. Summary of FLDs implemented during 2014-15

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
									Proposed	Actual	SC/ ST	Others	Total	
1	Cereals	Rainfed	2014 kharif	Paddy	Intan	-	Disease management	Blast disease mgmt. in Paddy	4.0	4.0	03	12	15	-
2	Vegetables	Protected irrigation	2014	Yard Long bean	Arka Mangala	-		Introduction of Yard Long bean variety *Arka Mangala*	1.0	1.0	18	02	20	
3	Fruit	Protected irrigation	2014	Banana	G-9		Nutrient management	Enhancement of Bunch size in Banana	4.0	4.0	06	24	30	
		Rainfed	2014	Coorg mandarin	Coorg mandarin	-	ICM	Rejuvenation of Coorg mandarin	2.0	2.0	02	05	07	
4	Spices and condiments	Rainfed	2014	Black Pepper	-	P-1	Nutrient Management	Foliar nutrition of Black Pepper for high yield and quality	2.0	2.0	02	13	15	
5	Piggery	-	2014	Piggery	Yorkshire/Duroc	-	Disease mgmt.	Introduction of effective Acaricide against Sarcoptic Mange in Pigs	50 pigs	50 pigs	02	03	05	

		-	2014	Piggery	Yorkshire/Duroc	-	Disease mgmt.	Effective treatment for Foot Rot/Soft Hoof problem in Pigs	25 pigs	25 pigs	01	04	05	
6	Dairy	-	2014	Dairy	HF	Hybrid	Feed mgmt.	Introduction of Fodder grass CO-3for increased milk yield in CB cows	20 cows	20 cows	03	07	10	

5.A. 1. Soil fertility status of FLDs plots during 2014-15

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Status of soil			Previous crop grown
									N	P	K	
1	Cereals	Rainfed	2014 kharif	Paddy	Intan	-	Disease management	Blast disease mgmt. in Paddy	M	M	L	Paddy
2	Vegetables	Protected irrigation	2014	Yard Long bean	Arka Mangala	-		**Introduction of Yard Long bean variety *Arka Mangala***	M	M	M	Paddy
3	Fruit	Protected irrigation	2014	Banana	G-9		Nutrient management	Enhancement of Bunch size in Banana	M	M	M	Paddy
4		Rainfed	2014	Coorg mandarin	Coorg mandarin	-	ICM	Rejuvenation of Coorg mandarin	H	M	L	Coorg Mandarin
5	Spices and condiments	Rainfed	2014	Black Pepper	-	P-1	Nutrient Management	**Foliar nutrition of Black Pepper for high yield and quality**	M	M	L	Black pepper

6	Piggery	-	2014	Piggery	Yorkshire/ Duroc	-	Disease mgmt.	**Introduction of effective Acaricide against Sarcoptic Mange in Pigs**	**-**	**-**	**-**	**-**
		-	2014	Piggery	Yorkshire/ Duroc	-	Disease mgmt.	**Effective treatment for Foot Rot/Soft Hoof problem in Pigs**	**-**	**-**	**-**	**-**
7	Dairy	-	2014	Dairy	HF	Hybrid	Feed mgmt.	**Introduction of Fodder grass CO-3for increased milk yield in CB cows**	**-**	**-**	**-**	

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**										
	Blast disease mgmt. in Paddy	Intan		Rainfed	40	4.0	47.13	36.79	39.02	31.64	23.44	32500	52992	20492	1.71	30600	45756	15156	1.44

Vegetables	**Introduction of Yard Long bean variety *Arka Mangala***	***Arka Mangala***		Protected irrigation	20	1.0	On going											
Fruit	Enhancement of Bunch size in Banana	Nendra		Protected irrigation	10	4.0	342.5	276.0	296.0	255.0	16.44	132500	436800	332500	3.55	169800	500250	330450	2.94
	Rejuvenation of Coorg mandarin	Coorg Mandarin		Rainfed	07	2.0	195.0	121.0	149.0	126.0	39.0	172000	327800	155800	1.90	162000	264600	102600	1.64
Spices and condiments	**Foliar nutrition of Black Pepper for high yield and quality**	-	P-1	Rainfed	15	2.0	8.20	5.10	5.10	4.80	9.90	61000	229500	168500	3.76	60000	216000	156000	3.60

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

Technology	Data on other parameters in relation to technology demonstrated		
	Parameter with unit	**Demo**	**Check**
Blast disease management in Paddy	No. of tiller /hill % dis. Incidence	17.6 13.50	14.73 25.60
Enhancement of Bunch size in Banana	Av. Bunch wt.(kg)	14.8	12.3
Rejuvenation of Coorg mandarin	No. of fruits/plant	1250 fruits	780 fruits -
Introduction of Yard Long bean variety *Arka Mangala*	-	-	-
Foliar nutrition of Black Pepper for high yield and quality	Length of spike (cm) No. of berries / spike	13.16 48.6	12.09 41.36

5.B.2. Livestock and related enterprises

Type of livestock	Name of the technology demonstrated	Breed	No. of Demo	No. of Units	Body weight(kg)/yr or Milk Yield (kg)/yr				% 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										
Piggery	**Introduction of effective Acaricide against Sarcoptic Mange in Pigs**	Duroc/ Yorkshire	05	50 pigs	90	75	82.46	62.24	20.0	186250	396000	209750	2.13	166250	297600	131350	1.79
	Effective treatment for Foot Rot/Soft Hoof problem in Pigs	Duroc/ Yorkshire	05	25 pigs	86	68	78.0	64.32	26.47	89500	135500	46000	1.51	83560	112500	28940	1.34
Dairy	**Introduction of Fodder grass CO-3 for increased milk yield in CB cows**	HF	10	20 cows	3550	3250	3354	2838	9.23	123500	173850	50350	1.41	96550	115500	18950	1.19

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**
Introduction of effective	Recovery from Disease	92%	16%

Acaricide against Sarcoptic Mange in Pigs	(%)		
Effective treatment for Foot Rot/Soft Hoof problem in Pigs	Recovery from Disease (%)	88%	12%
Introduction of Fodder grass CO-3for increased milk yield in CB cows	Milk Fat (%)	3.6%	2.9%

5.B.3. Fisheries : Nil

5.B.4. Other enterprises : Nil

5.B.5. Farm implements and machinery : Nil

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

Sl.No.	Activity	No. of activities organized	Number of participants	Remarks
1	Field days	03	280	Field day on banana, Black pepper and vegetables
2	Farmers Training	12	248	IPDM in Black pepper, IDM in Banana and Ginger, Disease mgmt. in pigs, Value addition in imp. crops
3	Media coverage	04	36	OFT on pepper, FLD on vegetables and INM in Banana
4	Training for extension functionaries	02	68	Scientists farmers Interface programme on banana, Black pepper and vegetables production technology and mgmt. of pest and diseases
5	Field visits	16	38	Field visits were taken up before and after the implementation of FLD programmes
6	Method demonstration	06	22	Seed treatment in Paddy, Bunch bagging technique in Banana
7	Diagnostic field visit	02	05	FLD on vegetable crops

PART VI – DEMONSTRATIONS ON CROP HYBRIDS:

Demonstration details on crop hybrids : Nil

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
Horticulture										
Improved cultn. practices in Banana	01	20	10	30	12	08	20	32	18	50
Awareness programme on Future-trading of Agricultural commodities	01	32	00	32	00	00	00	32	00	32
Bonsai and propagation tech. in flower crops	01	00	18	18	00	02	02	00	20	20
Plant protection										
Use of bio control agents in plantation and spices crops	01	30	2	32	08	00	08	38	02	40
Scientific bee keeping	01	43	10	53	10	04	14	53	14	67
Plant Protection in Coorg Mandarin	01	05	25	30	00	10	10	05	35	40
Pest and Disease management in Banana	01	06	15	21	00	10	10	06	25	31
Use of bio agents in black pepper disease mgmt.	01	56	06	62	16	02	18	72	08	80
Livestock Production and Management										
Piggery farming	01	00	00	00	17	10	27	17	10	27
Home Science/Women empowerment										
Value Addition of Mango	01	00	18	20	00	02	02	00	20	20
Bakery	03	00	76	76	00	21	21	00	97	97

Value addition in Guava	02	00	53	53	00	07	07	00	60	60
Fruit processing	02	00	45	45	00	05	05	00	50	50
TOTAL	**17**	**192**	**278**	**472**	**63**	**81**	**144**	**255**	**359**	**614**

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**
Horticulture										
Production tech. Of black pepper	06	155	55	210	55	25	80	210	80	290
Training on Prodn. technology of Banana	01	36	14	50	19	06	25	55	20	75
Terrace gardening and Bonsai	01	03	20	23	01	09	10	04	29	33
Kitchen gardening	02	33	27	60	05	12	17	35	39	74
Winter/Summer vegetable cultivation	02	35	37	82	08	15	23	43	53	96
Plant protection										
IPDM in pepper	09	204	69	273	69	26	95	273	95	368
Preparation of Bordeaux mixture (1%)	01	20	12	32	04	03	07	24	15	39
IPDM in Banana	01	30	25	55	07	05	12	37	30	67
Livestock Production and Management										
Fodder cultivation	01	16	33	49	07	13	20	23	46	69
Scientific Piggery Farming	06	26	93	119	31	52	83	57	145	202
Home Science/Women empowerment										
Fruit Processing and Preservation	02	00	58	58	00	10	10	00	68	68
Value addition in Hort. crops	07	01	188	189	00	55	55	01	243	244
Soil health and fertility mgmt.										
Imp. of Soil Testing & INM in Paddy	01	20	00	20	05	00	05	25	00	25

TOTAL	**40**	**579**	**631**	**1220**	**211**	**231**	**442**	**787**	**863**	**1650**

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**
Value addition in Horticultural crops	02	21	32	53	11	19	30	32	51	83
Piggery farming	02	19	27	46	7	16	23	26	43	69
Dairy farming	01	18	03	21	07	00	07	25	03	28
Nutrition gardening	01	10	10	20	04	10	14	14	20	34
TOTAL	**06**	**68**	**72**	**140**	**29**	**45**	**74**	**97**	**117**	**214**

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**
Animal originated Zoonotic Diseases	01	08	25	33	05	02	07	13	27	40
Scientific Pig rearing	01	00	16	16	00	00	00	00	16	16
TOTAL	**02**	**08**	**41**	**49**	**055**	**02**	**07**	**13**	**43**	**56**

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

Area of training	**No. of**	**No. of Participants**		
		General	**SC/ST**	**Grand Total**

	Course	Male	Female	Total	Male	Female	Total	Male	Female	Total
Wild Life Conservation	01	28	4	32	08	00	08	36	04	40
Total	**01**	**28**	**4**	**32**	**08**	**00**	**08**	**36**	**04**	**40**

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
Training on animal welfare	01	30	03	33	04	04	08	34	07	41
Total	**01**	**30**	**03**	**33**	**04**	**04**	**08**	**34**	**07**	**41**

7.G. Sponsored training programmes - Nil

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	Importance of seed treatment, bio fertilizers and Micronutrients in crop production (5 days)	02	56	05	61	16	02	18	72	07	79
	Total	**02**	**56**	**05**	**61**	**16**	**02**	**18**	**72**	**07**	**79**

PART VIII – EXTENSION ACTIVITIES

Nature of Extension Programme	No. of Programmes	No. of Participants (General)			No. of Participants SC / ST			No. of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Days	06	216	120	336	65	35	100	22	08	30
Krishi Uthsav/Mela	04	1250	3012	4262	330	120	450	56	12	68
Exhibition	06	2560	1650	4210	350	212	512	98	32	120
Film Show	15	355	492	847	66	30	96	38	16	54
Method Demonstrations	08	65	12	77	08	04	12	12	04	16
Workshop	05	12	06	18	02	03	05	32	12	44
Group meetings	08	98	36	134	18	08	26	18	04	22
Lectures delivered as RP	65	654	960	1614	95	43	138	142	31	173
Newspaper coverage	65	0	0	0	0	0	0	0	0	0
Popular articles	05	0	0	0	0	0	0	0	0	0
Extension Literature	68	632	338	960	64	30	94	62	12	74
Advisory Services	1250	728	386	1114	18	12	30	12	04	16
Scientific visit to farmers field	42	32	08	40	06	02	08	0	0	0
Farmers visit to KVK	1120	615	92	707	96	16	112	60	26	86
Diagnostic visits	12	10	02	12	05	03	08	0	0	0
Soil health Campaigns	02	32	06	38	06	02	08	03	01	04
Animal Health Camp	15	131	28	131	60	12	72	60	6	66

Soil test campaigns	02	46	16	62	12	6	18	04	02	06
Expert Farmer Media Interface	02	85	32	117	18	08	26	30	06	36
World veterinary day	01	12	03	15	02	02	04	18	03	21
Media meet	01	05	01	06	01	01	02	28	02	30
Seminar	12	240	132	372	32	55	57	32	08	40
Radio talks	09	0	0	0	0	0	0	0	0	0
TV programmes	06	0	0	0	0	0	0	0	0	0
Exposure visit	06	3	0	3	01	0	01	12	2	12
Kisan Mobile Adv. Services	12	7200	1250	8054	138	32	170	96	16	112
Seed treatment campaign	16	326	158	484	132	66	198	53	16	69
PPV & FRA Awareness prog.	01	66	32	98	12	04	16	16	04	20
Celebration of Kisan Divas	01	85	35	120	15	05	20	32	12	44
Total	**1765**	**15458**	**8807**	**23831**	**1552**	**711**	**2183**	**936**	**239**	**1163**

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 (kg)	Value (Rs)	Number of farmers to whom provided
Vegetables	Yard long bean	Arka Mangala	-	8 kg	5700	12
	French bean	Arka Suvidha	-	5 kg	1375	16
Total				**13 kg**	**7075**	**28**

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
Plantation	Coffee	S 274 CXR	-	15346 no.	184152	48
	Arecanut	Theerthalli	-	395 no.	15725	08
Spices	Ginger	IISR Varada	-	250 kg	15000	05
Fruits	Banana	G-9	-	500 suckers	2500	06
Fodder	Fodder Fodder	Napier	CO-3	10000 root slips	10000	10
		Napier	Co-4	1000 root slips	1000	10
		Napier	NB-21	500 root slips	500	05
		Green panic		250 root slips	250	03
Total				**28040**	**229127**	95

9.C. Production of Bio-Products: Nil

9.D. Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Goatary	Malabari	02	3000	2
Piggery	Duroc CB	01	1500	01

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

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

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

Date of start	No. of copies distributed
April- June 2014	200
July- September 2014	200
October- December 2014	200
January- March 2015	200

15. Literature developed/published

Item	Title	Authors name	Number
Book			
Technical reports	Action Plan and Annual report (2014-15)	Dr. Saju George Prabhkara, B. K.V. Veerendrakumar,	12
Technical bulletin	Documentation of ATMA Activities- Kodagu KVK Experience	Dr. P. C Tripathi, Prabhkara, B. K.V. Veerendra Kumar, Suresh, S.C.	30
Popular articles	Pest and disease management in Coorg mandarin	Veerendra Kumar, K.V., Saju George and Prabhakar, B.	
	Success story on Piggery	Dr. Saju George, Dr. Suresh, S.C., Prabhakara, B	
	Pest and Disease management in Black pepper	Veerendra Kumar, K.V. and Prabhakara, B.	
Training Manual	PPV & FRA,DUS testing in Horticultural crops	Dr. Saju George Veerendrakumar Prabhakar, B	150

10.B. Details of Electronic Media Produced: Nil

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

1. A MODEL CROP BASED FARMING SYSTEM FOR HIGHER FARM PRODUCTIVITY

Mr. N K Krishnappa, Shirangala village, Kushalnagar Hobali, Somwarpet taluk practicing different cropping pattern profitably in technical consultation with the KVK personnel advisory from past five years. In his 10 acre farm he is having banana(yelakki) in 2.5 acre, Ginger(Rio de geneiro) 1.5 acre, vegetable cultivation(Chilli, Beans, Colocassia) in 1.5 acre , silver + Coffee + Black pepper (1 acre) and no animal husbandry practices. He planned the cropping pattern in such a way crop occupied each segment of the land throughout the year. The bunds of the farm planted with fruit trees (Guava, Sapota, Amla, Mango, lemon, drumstick). Cow pea grown under the banana as an cover crop and colocassia as a commercial vegetable. In the year, 2014-15, He harvested 120 q of ginger (Rs. 3.0 lakh), Banana(2.0 lakh), vegetables(Rs. 1,05,000) earned as net income. His experience in the field and timely advisories by the KVK specialists made him as one of the role model with respect to land utilization and engaging the land and resources for farm sustainability and profitability.

2. A SUCCESSFUL PIGGERY ENTREPRENEUR

Mrs. Suchitra Sudeedra, a small farmer at Kannagala village, Ammathi hobali, Virajpet taluk started piggery with one male and female in the year 2006 as one of the additional enterprise in her coffee based inter cropping system (Coffee – 2 acre, Pepper 100 vines, Arecanut 60 no. sheep(10 no.), poultry birds(20no.), and dairy cow(2 no.). She had been in contact with the KVK in the year 2012 in one

of the off-campus training programme organized by Sri Kshetra Dharmasthala Rural Development Project. She started expansion of her piggery unit year by year after seeing the demand in the area to a main enterprise in the farm. In the year 2013-14 the piggery stock raised to 15 female and two male. She sells piglets of cross breed of Yorkshire, Land race and Duroc and cleaned pork to the social functions. The earning in the year 2012-13 was Rs. 3.5 lakhs(272 piglets) and Rs. 6.0 lakhs in the year 2013-14 by sale of piglets and all other enterprise in the farm. All these enterprises helped her to purchase a new auto, car, house, education of the two children's and recognition by the different agencies in the district. In the year 2012-13, UAS, Bengaluru awarded as the best women piggery entrepreneur and felicitation by the various NGOs. The KVK and other local NGOs utilizing her expertise in the field of piggery production by inviting as a resource persons to train the other SHG members in the district as well as other farm women.

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3. Jai Jawan Jai Kissan

Mr. S. Thimmiah, After 15 years of service in the army, retired to become a full time farmer have been practicing coffee based farming system at Nallor village of Virajpet taluk. He was involved in agriculture by default at the age of fifteen after basic education (SSLC). He is having 10 acre of coffee + pepper, 10 acre of Paddy, a farm pond and perennial water source for irrigation of coffee and pepper. Since, is being an active member in the family in the agricultural

activities since many years, he knows the actual feel of income and expenditure of the farm. Because of the high labour cost, inputs and income in the paddy, he put forward his thinking to go for mechanization in paddy. His constant and regular interaction and learn new things and their adoption in his field with KVK Specialists, Department of Agriculture, ARS Farm, Extension Education Unit, College of Forestry, Ponnampet and Agriculture officers to learn about latest technologies and farm practices. I worked as a farmer facilitator to department of agriculture wherein. In the year 2013-14 he started with nursery(Mat method) and transplanting by mechanical transplanter apart from the following package of practices(incorporation of green manure crops, land leveling, maintaining the plant population, alternate wet and drying of land, application of basal and top dressing, mechanical weeding and micro nutrient application, mechanized harvesting.). He entered to new field of summer paddy cultivation which is a unusual phenomenon in the district and also growing of vegetables for crop rotation which ensures better soil fertility status in the year 2014-15 for the first time atleast in the taluk. He proud to be the owner of two transplanting machines, power tiller, paddy thresher, irrigation and spraying equipments and urge to have next area of mechanization will be use of power weeders, combined harvester and balers. He could able to cut down the total cost of cultivation to the extent of 30-40% apart from enhancing the yield of paddy to 2-2.5 times. Because of his initiation in the village, the spreading of the knowledge on mechanized transplanting in paddy across media, the fruit of which more than ten transplanting machines have been availed from the department of agriculture under subsidy by farmers from various parts of the taluk in the current year. In the year 2014-15, University of Agriculture and Horticulture Sciences, Shimoga, awarded as the **Krishi Shresta best farmer award** and felicitation by the local bodies. Also, he own the taluk level highest yield in the crop competition award and cash price from Department of Agriculture.

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

Interface programme on rain water harvesting techniques	Involving farmers, entrepreneurs, media personnel
Field days	Organized 03 Field days involving department officials, neighboring farmers and beneficiaries. Arranged crop cutting experiment, interactions and experience sharing among the farmers and experts. Participated as a resource person in 03 field organized by line departments in the district.
Animal health campaign	Conducted 15 animal welfare campaigns, in all 594 farmers participated Where, 725 cows, 435 buffaloes, 41 sheep/goats and 138 pigs animals vaccinated against FMD in collaboration with the Department of AH & VS.
Soil testing campaign	Conducted 02 soil testing campaigns. A total of 67 farmers participated. 92 samples were collected.

Farmer to Farmer concept	Introduced this concept for piggery, Vermicomposting, Azolla cultivation and Goatary in the district.
Strengthening the SHGs	Twenty two trainings in the field of entrepreneurship activities were conducted both at campus and off campus in collaboration with SKDRDP
Strengthening the SHGs	Eight trainings in the field of entrepreneurship activities were conducted both at campus and off campus in collaboration with Coffee Board in the District.

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

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

- Identification of courses for farmers/farm women/Rural Youth/In-service personnel through visits and discussion with the department officials
- Group meeting on specific crops and their problems
- Survey of the cropped area during the season and interact with the growers
- Active discussion with the progressive farmers on various crops

10.G. Field activities

i. Number of villages adopted : 08
ii. No. of farm families selected : 142
iii. No. of survey/PRA conducted : 08

10.H. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Good

1. Year of establishment : March 2007
2. List of equipments purchased with amount:

Sl. No	Name of the Equipment	Qty.	Cost
1	Almirah (soil storage cabinets)	3	23,841
2	Electronic automatic digestion chamber	1	52,118
3	Distillation set	1	99,225
3	Gas connections	2	5500
5	Elico rotator shaker	1	24,480
6	ECTDS analyzer	1	17,442
7	Flame photometer	1	38,000
8	Spectrophotometer	1	40,000
9	Digital pH meter	1	8550
10	Refrigerator with stabilizer	1	22,000
11	Hot air oven	1	11,000

12	Hot plate	1	4000
13	Aluminum partition	1	41,380
14	Chemical balance	1	**68,850**
15	Sample grinding mill	1	1,17,000
16	Fume cupboard	1	79,976
17	Water distillation still	1	95,625
Total		**20**	**6,31,987**

Details of samples analyzed so far since establishment of SWTL :

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	4935	2241	394	76725

Details of samples analyzed during the 2013-14

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized
Soil Samples	540	248	28	10800

10.I. Technology Week celebration during 2014-15: No

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

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

PART XI. IMPACT

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

Transfer of technology from KVK in the farm of OFT/FLD/ trainings over a period of years and its impact in the villages of the district are follows

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Upgradation local pigs using Duroc pigs (5 + 1 unit)	12	-	80000	200000

Enhancement of Bunch size in Banana (ha)	18	-	315000	419000
Oyster mushroom cultivation	12	-	7000	12500
Value added products in Passion fruit	06	-	18000	26000
Use of Trichoderma (wilt mgmt. in pepper(ha) and composting)	08	-	480000	512000
Scientific dairying(10 + 1 Unit)/yr	04	-	252000	312500

11.B. Cases of large scale adoption: nil

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

PART XII – LINKAGES

12.A. Functional linkage with different organizations

Name of organization	Nature of linkage
Central Horticultural Experiment Station (IIHR), Chettalli	Mushroom spawn, Passion fruit, Bee keeping unit, minor fruit crops
Cardamom Research Centre, (IISR) Madikeri	Genuine planting material of pepper,
Department of Horticulture, Govt. of Karnataka, Madikeri	Collaborating in organizing training programmes, field days, new project proposals
DCC Bank & NABARD	Collaborating in organizing entrepreneurship training programmes
Coffee Board, Coorg	Pheromone traps for control of berry borer in coffee coffee package of practices and conducted training programmes coffee growing SHGs
SKDRDP, Kodagu	Conducting Soil testing campaigns and awareness programme, training programme for SHGs, resource persons for the krishimela, krishiuthsava, seminars etc.
Dept. of Agriculture, Madikeri	ATMA programme, demonstration of proven technologies, trainings, extension activities, resource person for the training programmes, seminars, Krishi uthsava etc.

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

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
NHM	2014-15	Dept. of Horticulture	Rs.15,00,000
NABARD	2015-16	NABARD	RS.5,00000

12.C. Details of linkage with ATMA

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 2014-15 - Nil

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

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

12.F. Details of linkage with RKVY: Nil

12. G Kisan Mobile Advisory Services_

Month	No. of SMS sent	No. of farmers to which SMS was sent	No. of feedback / query on SMS sent
April 2014	-	-	-
May 2014	-	-	-
June2014	-	-	-
July 2014	04	759	32
August 2014	05	2075	96
September 2014	03	987	36
October 2014	-	-	-
November 2014	-	-	-
December 2014	-	-	-
January 2015	-	-	-
February 2015	01	674	16
March 2015	02	2065	65
Total	15	6550	245

PART XIII- PERFORMANCE OF INFRASTRUCTURE IN KVK

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

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

Sl No	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount	
					Variety	Type of produce	Qty (Kg)	Cost of input (Rs.)	Gross income (Rs)
1	Coffee	1987 1994	Jan	1.6	R.S-274 C x R	Cherry	3500	185000	212000

2	Pepper	1993 1994	March April	2.0	Panniyur-1	Dry pepper	2850	145000	1425000
3	Sapota	1993	Oct March	1.0	Cricket ball	Fruit	3000	112500	30000
4	Arecanut	1998	March April	0.4	Theerthalli, Mohithnagar	Matured nut	3865	122500	85000
5	Coconuts	1996	-	0.4	D x T	T. coconut	9880 no.	112500	68990
6	Vegetables	2013	-	0.5	Local	Fruit/tuber/leaf	400	125000	12000
7	Banana	2012	Feb	0.5	G-9	Fruit	4000	130000	40000
Total								**932500**	**1872990**

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

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Goatary	Malabari	Goat kids	2	65000	3000	
2	Piggery	Duroc CB	Piglet	1	175000	1500	Replaced old stock with new piglets
	Total				**240000**	**4500**	

13.E. Utilization of hostel facilities

Accommodation available (25)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
April 2014	5	1	-
May 2014	5	1	-
June2014	80	5	-
July 2014	0	0	-
August 2014	3	1	--

September 2014	0	0	-
October 2014	0	0	-
November 2014	30	1	-
December 2014	135	1	-
January 2015	58	1	-
February 2015	55	1	-
March 2015	110	1	-
Total	**481**	**13**	-

13.F. Database management: Nil

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

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	SBI	Madikeri	000876	Principle Scientist & Head CHES, Chettalli	01000050017	571002060	SBIN0000876
With KVK	-	-	-	-	-	-	-

14.B. Utilization of KVK funds during the year 2014-15 (Rs. In lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	70.0	73.69	67.31
2	**Traveling allowances**	0.93		1.07
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	0.57		1.58
B	POL, repair of vehicles, tractor and equipments	0.50		1.57
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	0.40		0.71
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.40		0.75
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	1.75		1.52
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.88		0.85
G	Training of extension functionaries	0.10		0.23
H	Maintenance of buildings	0.10		0.45
I	Establishment of Soil, Plant & Water Testing Laboratory	0		-
J	Library	0.00		0.02
k	FFS	0.10		0.04
l	Extension Activity	0.10		0.50
m	IFS	0.10		0.50
	TOTAL (A)	**5.00**		**8.72**
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)	**75.93**		**77.10**

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 2012 to March 2013	14.16	11.20	5.24	20.12
April 2013 to March 2014	26.41	11.82	9.04	29.18
April 2014 to March 2015	28.72	25.57	16.43	37.87

15. Details of HRD activities attended by KVK staff during 2014-15

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Dr.Saju George	Programme Coordinator and Head	Sensitization training programme on Technology management in Agriculture	NAARM, Hyderabad	9-11th June 2014
		Management development programme for KVK professionals	NAARM, Hyderabad	9th Nov to 14th Dec 2014
Mr.Veerendra Kumar	SMS (Plant Protection)	Integrated Pest Management in important crops	NBAII, Bengaluru	23-25th July 2014
Dr. Suresh S.C.	SMS(Livestock)	Extension Management for Livestock Development	NDRI, Karnal	2-5th July 2014

		Farm-Fork approach for quality pork production in the country	NRC - Pig , Rani, Guwahati	1-10th Dec, 2014

SUMMARY FOR 2014-15

TECHNOLOGY ASSESSMENT

Thematic areas	Crop	Name of the technology Assessed	No. of trials
Varietal Evaluation	Ginger	Assessment of high yielding Ginger variety IISR Varada	04
Integrated Disease Management	Black Pepper	Assessment of Foot rot disease management in Black Pepper	05
Integrated Crop Management	Banana	Assessment of Paired row planting system in Banana var. G-9	05
Total			**14**

FRONTLINE DEMONSTRATION

Crop	Name of the technology demonstrated	Variety	Farming situation	No. of Demo.	Area (ha)
Cereal	Blast disease mgmt. in Paddy	Intan	Rainfed	15	4.0
Vegetables	Introduction of Yard Long bean variety *Arka Mangala*	*Arka Mangala*	Protected irrigation	10	1.0
	Enhancement of Bunch size in Banana	Nendra	Protected irrigation	10	2.0
Fruit	Rejuvenation of Coorg mandarin	Coorg Mandarin	Rainfed	07	2.0

Spices and condiments	Foliar nutrition of Black Pepper for high yield and quality	Panniyur-1	Rainfed	10	2.0
Piggery	Introduction of effective Acaricide against Sarcoptic Mange in Pigs	Duroc/ Yorkshire	-	05	50 pigs
Piggery	Effective treatment for Foot Rot/Soft Hoof problem in Pigs	Duroc/ Yorkshire	-	05	25 pigs
Dairy	Introduction of Fodder grass CO-3 for increased milk yield in CB cows	HF	-	10	20 cows

TRAININGS

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
Horticulture										
Improved cultn. practices in Banana	01	20	10	30	12	08	20	32	18	50
Awareness programme on Future-trading of Agricultural commodities	01	32	00	32	00	00	00	32	00	32
Bonsai and propagation tech. in flower crops	01	00	18	18	00	02	02	00	20	20
Plant protection										
Use of bio control agents in plantation and spices crops	01	30	2	32	08	00	08	38	02	40
Scientific bee keeping	01	43	10	53	10	04	14	53	14	67
Plant Protection in Coorg Mandarin	01	05	25	30	00	10	10	05	35	40
Pest and Disease management in Banana	01	06	15	21	00	10	10	06	25	31
Use of bio agents in black pepper disease mgmt.	01	56	06	62	16	02	18	72	08	80
Livestock Production and Management										
Piggery farming	01	00	00	00	17	10	27	17	10	27
Home Science/Women empowerment										
Value Addition of Mango	01	00	18	20	00	02	02	00	20	20
Bakery	03	00	76	76	00	21	21	00	97	97
Value addition in Guava	02	00	53	53	00	07	07	00	60	60
Fruit processing	02	00	45	45	00	05	05	00	50	50
TOTAL	**17**	**192**	**278**	**472**	**63**	**81**	**144**	**255**	**359**	**614**

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
Horticulture										
Production tech. Of black pepper	06	155	55	210	55	25	80	210	80	290
Training on Prodn. technology of Banana	01	36	14	50	19	06	25	55	20	75
Terrace gardening and Bonsai	01	03	20	23	01	09	10	04	29	33
Kitchen gardening	02	33	27	60	05	12	17	35	39	74
Winter/Summer vegetable cultivation	02	35	37	82	08	15	23	43	53	96
Plant protection										
IPDM in pepper	09	204	69	273	69	26	95	273	95	368
Preparation of Bordeaux mixture (1%)	01	20	12	32	04	03	07	24	15	39
IPDM in Banana	01	30	25	55	07	05	12	37	30	67
Livestock Production and Management										
Fodder cultivation	01	16	33	49	07	13	20	23	46	69
Scientific Piggery Farming	06	26	93	119	31	52	83	57	145	202
Home Science/Women empowerment										
Fruit Processing and Preservation	02	00	58	58	00	10	10	00	68	68
Value addition in Hort. crops	07	01	188	189	00	55	55	01	243	244
Soil health and fertility mgmt.										
Imp. of Soil Testing & INM in Paddy	01	20	00	20	05	00	05	25	00	25
TOTAL	**40**	**579**	**631**	**1220**	**211**	**231**	**442**	**787**	**863**	**1650**

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
Value addition in Horticultural crops	02	21	32	53	11	19	30	32	51	83
Piggery farming	02	19	27	46	7	16	23	26	43	69
Dairy farming	01	18	03	21	07	00	07	25	03	28
Nutrition gardening	01	10	10	20	04	10	14	14	20	34
TOTAL	**06**	**68**	**72**	**140**	**29**	**45**	**74**	**97**	**117**	**214**

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
Animal originated Zoonotic Diseases	01	08	25	33	05	02	07	13	27	40
Scientific Pig rearing	01	00	16	16	00	00	00	00	16	16
TOTAL	**02**	**08**	**41**	**49**	**055**	**02**	**07**	**13**	**43**	**56**

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
Wild Life Conservation	01	28	4	32	08	00	08	36	04	40

Total	**01**	**28**	**4**	**32**	**08**	**00**	**08**	**36**	**04**	**40**

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**
Training on animal welfare	01	30	03	33	04	04	08	34	07	41
Total	**01**	**30**	**03**	**33**	**04**	**04**	**08**	**34**	**07**	**41**

Sponsored training programmes - Nil

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	Importance of seed treatment, bio fertilizers and Micronutrients in crop production (5 days)	02	56	05	61	16	02	18	72	07	79
	Total	**02**	**56**	**05**	**61**	**16**	**02**	**18**	**72**	**07**	**79**

EXTENSION ACTIVITIES

Nature of Extension Programme		**No. of Participants (General)**	**No. of Participants SC / ST**	**No. of extension personnel**

	No. of Programmes	Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Days	06	216	120	336	65	35	100	22	08	30
Krishi Uthsav/Mela	04	1250	3012	4262	330	120	450	56	12	68
Exhibition	06	2560	1650	4210	350	212	512	98	32	120
Film Show	15	355	492	847	66	30	96	38	16	54
Method Demonstrations	08	65	12	77	08	04	12	12	04	16
Workshop	05	12	06	18	02	03	05	32	12	44
Group meetings	08	98	36	134	18	08	26	18	04	22
Lectures delivered as RP	65	654	960	1614	95	43	138	142	31	173
Newspaper coverage	65	0	0	0	0	0	0	0	0	0
Popular articles	05	0	0	0	0	0	0	0	0	0
Extension Literature	68	632	338	960	64	30	94	62	12	74
Advisory Services	1250	728	386	1114	18	12	30	12	04	16
Scientific visit to farmers field	42	32	08	40	06	02	08	0	0	0
Farmers visit to KVK	1120	615	92	707	96	16	112	60	26	86
Diagnostic visits	12	10	02	12	05	03	08	0	0	0
Soil health Campaigns	02	32	06	38	06	02	08	03	01	04
Animal Health Camp	15	131	28	131	60	12	72	60	6	66
Soil test campaigns	02	46	16	62	12	6	18	04	02	06
Expert Farmer Media Interface	02	85	32	117	18	08	26	30	06	36
World veterinary day	01	12	03	15	02	02	04	18	03	21
Media meet	01	05	01	06	01	01	02	28	02	30
Seminar	12	240	132	372	32	55	57	32	08	40
Radio talks	09	0	0	0	0	0	0	0	0	0
TV programmes	06	0	0	0	0	0	0	0	0	0
Exposure visit	06	3	0	3	01	0	01	12	2	12
Kisan Mobile Adv. Services	12	7200	1250	8054	138	32	170	96	16	112
Seed treatment campaign	16	326	158	484	132	66	198	53	16	69
PPV & FRA Awareness prog.	01	66	32	98	12	04	16	16	04	20
Celebration of Kisan Divas	01	85	35	120	15	05	20	32	12	44
Total	**1765**	**1545**	**8807**	**23831**	**1552**	**711**	**218**	**936**	**239**	**1163**

		8					**3**			

PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALS

Production of seeds by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Quantity of seed (kg)	Value (Rs)	Number of farmers to whom provided
Vegetables	Yard long bean	Arka Mangala	-	8 kg	5700	12
	French bean	Arka Suvidha	-	5 kg	1375	16
Total				**13 kg**	**7075**	**28**

Production of planting materials by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Number	Value (Rs.)	Number of farmers to whom provided
Plantation	Coffee	S 274 CXR	-	15346 no.	184152	48
	Arecanut	Theerthalli	-	395 no.	15725	08
Spices	Ginger	IISR Varada	-	250 kg	15000	05
Fruits	Banana	G-9	-	500 suckers	2500	06
Fodder	Fodder Fodder	Napier	CO-3	10000 root slips	10000	10
		Napier	Co-4	1000 root slips	1000	10
		Napier	NB-21	500 root slips	500	05
		Green panic		250 root slips	250	03
Total				**28040**	**229127**	95

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Goatary	Malabari	02	3000	2
Piggery	Duroc CB	01	1500	01

LITERATURE DEVELOPED/PUBLISHED

Item	Title	Authors name	Number
Book			
Technical reports	Action Plan and Annual report (2014-15)	Dr. Saju George Prabhkara, B. K.V. Veerendrakumar,	12
Technical	Documentation of ATMA Activities-	Dr. P. C Tripathi,	30

bulletin	Kodagu KVK Experience	Prabhkara, B. K.V. Veerendrakumar, Suresh, S.C.	
Popular articles	Pest and disease management in Coorg mandarin	Veerendra kumar, K.V., Saju George and Prabhakar, B.	
	Success story on Piggery	Dr. Saju George, Dr. Suresh, S.C., Prabhakara, B	
	Pest and Disease management in Black pepper	Veerendramkumar, K.V. and Prabhakara, B.	
Training Manual	PPV & FRA,DUS testing in Horticultural crops	Dr. Saju George Veerendrakumar Prabhakar, B	150

DETAILS OF SAMPLES ANALYZED DURING THE 2014-15

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized
Soil Samples	540	248	28	10800

EXTERNALLY FUNDED PROJECTS UNDERTAKEN BY THE KVK

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
NHM	2014-15	Dept. of Horticulture	Rs.15,00,000
NABARD	2015-16	NABARD	RS.5,00000

KISAN MOBILE ADVISORY SERVICES_

Month	No. of SMS sent	No. of farmers to which SMS was sent	No. of feedback / query on SMS sent
April 2014	-	-	-
May 2014	-	-	-
June2014	-	-	-
July 2014	04	759	32
August 2014	05	2075	96
September 2014	03	987	36
October 2014	-	-	-
November 2014	-	-	-

December 2014	-	-	-
January 2015	-	-	-
February 2015	01	674	16
March 2015	02	2065	65
Total	**15**	**6550**	**245**

PERFORMANCE OF INSTRUCTIONAL FARM

Sl No	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount	
					Variety	Type of produce	Qty (Kg)	Cost of input (Rs.)	Gross income (Rs)
1	Coffee	1987 1994	Jan	1.6	R.S-274 C x R	Cherry	3500	185000	212000
2	Pepper	1993 1994	March April	2.0	Panniyur-1	Dry pepper	2850	145000	1425000
3	Sapota	1993	Oct March	1.0	Cricket ball	Fruit	3000	112500	30000
4	Arecanut	1998	March April	0.4	Theerthalli, Mohithnagar	Matured nut	3865	122500	85000
5	Coconuts	1996	-	0.4	D x T	T. coconut	9880 no.	112500	68990
6	Vegetables	2013	-	0.5	Local	Fruit/tuber/leaf	400	125000	12000
7	Banana	2012	Feb	0.5	G-9	Fruit	4000	130000	40000
Total								**932500**	**1872990**

PERFORMANCE OF INSTRUCTIONAL FARM (LIVESTOCK 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	Goatary	Malabari	Goat kids	2	65000	3000	
2	Piggery	Duroc CB	Piglet	1	175000	1500	Replaced old stock with new piglets
	Total				**240000**	**4500**	

UTILIZATION OF HOSTEL FACILITIES

Accommodation available (25)

Months	No. of trainees stayed	Trainee days (days stayed)
April 2014	5	1
May 2014	5	1
June2014	80	5
July 2014	0	0
August 2014	3	1
September 2014	0	0
October 2014	0	0
November 2014	30	1
December 2014	135	1
January 2015	58	1
February 2015	55	1
March 2015	110	1
Total	**481**	**13**

FINANCIAL PERFORMANCE

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	SBI	Madikeri	000876	Principle Scientist & Head CHES, Chettalli	01000050017	571002060	SBIN0000876
With KVK	-	-	-	-	-	-	-

Utilization of KVK funds during the year 2014-15 (Rs. In lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	70.0	73.69	67.31
2	**Traveling allowances**	0.93		1.07
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	0.57		1.58
B	POL, repair of vehicles, tractor and equipments	0.50		1.57
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	0.40		0.71
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.40		0.75

E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	1.75		1.52
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.88		0.85
G	Training of extension functionaries	0.10		0.23
H	Maintenance of buildings	0.10		0.45
I	Establishment of Soil, Plant & Water Testing Laboratory	0		-
J	Library	0.00		0.02
k	FFS	0.10		0.04
l	Extension Activity	0.10		0.50
m	IFS	0.10		0.50
TOTAL (A)		**5.00**		**8.72**
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)		**75.93**		**77.10**

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 2012 to March 2013	14.16	11.20	5.24	20.12
April 2013 to March 2014	26.41	11.82	9.04	29.18
April 2014 to March 2015	28.72	25.57	16.43	37.87

DETAILS OF HRD ACTIVITIES ATTENDED BY KVK STAFF DURING 2014-15

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates

Dr.Saju George	Programme Coordinator and Head	Sensitization training programme on Technology management in Agriculture	NAARM, Hyderabad	9-11th June 2014
		Management development programme for KVK professionals	NAARM, Hyderabad	9th Nov to 14th Dec 2014
Mr.Veerendra Kumar	SMS (Plant Protection)	Integrated Pest Management in important crops	NBAII, Bengaluru	23-25th July 2014
Dr. Suresh S.C.	SMS(Livestock)	Extension Management for Livestock Development	NDRI, Karnal	2-5th July 2014
		Farm-Fork approach for quality pork production in the country	NRC - Pig , Rani, Guwahati	1-10th Dec, 2014

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