

ACTION PLAN OF KODAGU KVK (IIHR-ICAR), GONIKOPPAL -2011-12

I. GENERAL INFORMATION ABOUT THE KRISHI VIGYAN KENDRA

1.	Name and address of KVK with Phone, Fax and e-mail	:	KODAGU KRISHI VIGYAN KENDRA (Indian Institute of Horticultural Research -ICAR) GONIKOPPAL - 571213, Virajpet Taluk, KODAGU DISTRICT, KARNATAKA Phone: 08274 -247274 Fax: 08274-247274 E-mail: iihrkvkgk@yahoo.co.in
2.	Name and address of host organization with Phone, Fax and E-mail	:	INDIAN INSTITUTE OF HORTICULTURAL RESEARCH (Indian Council of Agricultural Research) Hessarghatta Lake post, BANGALORE Phone: 080-28466420 / 21, 22, 23 Fax: 080-28466291 e-mail : iihr@ernet.in
3.	Name of the Programme Coordinator Residence Phone Number/ Mobile No.	:	Dr. B Narayanaswamy Mobile: 9480290345
4.	Year of sanction	:	1976
5.	Year of start of activities	:	1977
6.	Major farming systems/enterprises	:	Coffee, Pepper, Cardamom, Coorg mandarin, Banana and Arecanut (Coffee based cropping system), Paddy, Maize, Chilly and Ginger in low-lying areas, Piggery, Fishery and Dairy... mixed farming
7.	Name of agro-climatic zone	:	Subtropical Humid Zone
8.	Soil type	:	Sandy clay loam
9.	Annual rainfall (mm)	:	2800 mm

II. Staff Strength as on 01-02-2011:

	Programme Coordinator	Subject Matter Specialists	Programme Assistant	Administrative Staff	Auxiliary Staff	Supporting Staff	Total
Sanctioned	1	6	3	2	2	2	16
Filled	1	5	3	1	2	1	13

III. Details of staff as on 01-02-2011

Sl. No	Sanctioned post	Name of the incumbent	Discipline	Existing Pay scale	Number in which directly associated in the proposed programmes				Date of joining	Permanent / Temporary
					No. of tech. to be assessed / refined	FLDs	Training Programmes	Extension Programmes		
1.	Programme Coordinator	Dr. B. Narayanaswamy	Agril. Extension	37400+9000-67000					26.3.2007	Permanent
2.	Subject Matter Specialist	Rina Basu	Home Science	15600 +7600-39100	-	-	15	20	21.9.1981	Permanent
3.	Subject Matter Specialist	K. A. Devaiah	Horticulture	15600 +6600-39100	02	02	15	20	12.3.2009	Permanent
4.	Subject Matter Specialist	B. Prabhakara	Horticulture	15600 +5400-39100	03	03	15	20	03.4.2007	Permanent
5	Subject Matter Specialist	Veerendra Kumar K.V	Plant Protection	15600 +5400-39100	03	03	15	20	2.12.2009	Permanent
6	Subject Matter Specialist	Dr.Suresh S.C	Livestock	15600 +5400-39100	03	03	15	20	09.02.2011	Permanent
7	Subject Matter Specialist	Vacant								
8	Programme Assistant	M .K .Padmavathy	-	9300+4600-34800	-	02	15	10	21.01.1983	Permanent
9	Programme Assistant	C .K. Vasantha Kumar*	-	9300+4600-34800					06.9.1976	Permanent
10	Programme Assistant	B. Bopaiah	-	9300+4600-34800					11.07.1979	
11	Accountant/Superintendent	P C Ponnamma	-	9300-4600-34000					06.08.1979	Permanent
12	Stenographer	FelixMontiero**	-	-					03.07.1982	Permanent
13	Driver 1	K .Velu Murugan	-	5200+2000-20200					20.11.2006	Permanent
14	Driver 2	C .S. Belliappa	-	5200+2400-20200					10.06.1977	Permanent
15	Supporting staff 1	B. N.Janaki	-	5200+1800-20200					25.03.1985	-
16	Supporting staff 2	Vacant	-	-					-	-

Posted against SMS, **Working at IIHR, Bangalore * Pay Scale based on existing norms PA- The post adjusted & occupied by 3 officers

IV. Plan of Human Resource Development of KVK personnel during 2011-12

S. N	Discipline	Area of training required	Institution where training is offered	Organization	Justification	Highlight on Future programmes to be planned after training	Approximate duration (days)	Training fee (Rs.)
1	Agri. Extension	Advances in Agri. Extension	New Delhi	ICAR NAARM	-	-	21	-
2	Horticulture	Advances in Vegetable Production	Bangalore	IIHR	Scope for popularization of IIHR vegetable varieties	Trainings	05	-
		Advances in Fruit Production	Bangalore	IIHR	Scope for popularization of IIHR fruit varieties	Trainings	05	-
		Advances in Floriculture	Bangalore	IIHR	Knowing advanced technologies	Trainings	05	-
		Advances in Spice Production technologies	Calicut	IISR	Knowing advanced technologies	Trainings	05	-
		Multimedia Technology	Hyderabad	NAARM	Knowing advanced technologies	Trainings	21	-
3	Plant Protection	Mass Production of Bio-Control Agents	Bangalore	NBAII	Knowing advanced technologies	Mass production of <i>Trichoderma</i>	05	-
		IPDM in Horticultural crops	Bangalore	IIHR	Knowing advanced technologies	Trainings	05	-
4	Home Science	Advances in Fruit and Vegetable Preservation	Bangalore	IIHR	Knowing advanced technologies	Trainings	05	-
		Rural Women Empowerment	Hyderabad	MANAGE	Knowing advanced technologies	Trainings	05	-
5	Livestock	Advances in animal nutrition	Bangalore	NIANP	Knowing advanced technologies	Trainings	05	-
		Dairy technology	Bidar	KVAFSU	Knowing advanced technologies	Trainings	05	-
5	Farm	Mechanization in Horticulture	Bangalore	IIHR	Knowing advanced technologies	Trainings	05	-
6	Computer	Use of ICT	NAARM, Hyderabad		Knowing advanced technologies	Trainings	05	-

IV. Infrastructure

i) Land

Total Area (ha)	Area Cultivated (ha)	Area occupied by buildings and roads (ha)	Area with demonstration units (ha)
17.50	6.10	1.00	10.40

ii) Buildings

Administrative Building			Trainees Hostel			Staff Quarters			Demonstration Unit		
Plinth area (m ²)	Cost (Rs. in lakhs)	Year	Plinth area (m ²)	Cost (Rs. in lakhs)	Year	Plinth area (m ²)	Cost (Rs. in lakhs)	Year	No.	Plinth Area (m ²)	Cost (Rs. in lakhs)
500	-	2002	305	-	2002	Type- I - 8 no. Type- II - 2 no. Type- III - 5 no. Type- IV - 4 no. Type -V - 2 no. Transferred from Govt. of Karnataka			Animal shed	100	-
									Goat shed	50	-
									Poultry shed	100	-
									Piggery shed	100	-
									Workshop	50	-

iii) Vehicles

Type of vehicle	Model	Actual cost (Rs.)	Total kms. Run	Present status
Jeep (Mahindra hard top)	1998	3,40,739	202000	Not in good condition To be replaced
Tractor-1	2004	3,98,000		Good
Power Tiller	From IIHR	-		To be condemned
Two wheeler -1	2004	33,640		Good
Two wheeler -1	2009	37,000		Good

iv) Equipments and AV aids

Sl. No.	Name of Equipments	Date of purchase	Cost (Rs.)	Present status
1.	Television	1987	16,125	Good
2.	Video Cassette Recorder (VCR)	1987	14,950	Good
3.	Public Announcement System	2002	11,408	Good
4.	Projector (35mm)	1969	840	Good
5.	Overhead projector	1977	3,337	Good
6.	Overhead projector	1995	1,260	Good
7.	Projector (16mm)	1995	1,260	Good
8.	Tape recorder	1982	1,275	Not working
9.	Stereo cum tape recorder	1994	5,000	Good
10.	Electronic weighing Balance	2004	15,550	Good
11.	Aquaguard (2)	2003	15,000	Good
12.	Computer with accessories	2007	74,253	Good
13.	Scanner	2005	7,650	Good
14.	UPS 1KVA	2005	10,950	Good
15.	Printer	2005	16,100	Good
16.	LCD Ultra Projector	2005	116,325	Not in good condition
17.	Xerox machine	2005	57,899	To be replaced
18.	Stabilizer (2 KVA)	2004	3,750	Good
19.	Dual high pressure pump	2004	11,511	Good
20.	Digital Camera OLYMPUS	2005	16,995	Not in good condition
21.	Mechanical Weeder	2005	30,000	Good
22.	Backpack sprayer	2005	9,050	Good
23.	Power sprayer (Tiller mounted)	2004	23,750	Good
24.	Drip Irrigation system	2006	78,774	Good

VI. Details of SAC meeting conducted during 2010-11

Sl. No	Date	Major recommendations of SACs which are to be implemented during 2010-11
01	29.08.2010	<ul style="list-style-type: none"> • Conduct more number of Demonstrations of IIHR, technologies for their suitability and enhancing the income of the farmers • Conduct more number off campus training programmes on processing and preservation of fruits and vegetables • Organize more number of Expert-Scientist-Farmers Interface on IIHR, technologies • Documentation of success stories of KVK implemented programmes in the villages and the same farmers may be invited on important occasion like SAC, Interfaces etc for effective dissemination of technologies • Bring out the KVK quarterly news letter regularly • Brochure may be develop on the KVK activities • More number of field days may be conducted • Conduct maximum number of ecofriendly based demonstrations for management of berry borer in coffee and Citrus fruit fly • Capture farm science clubs (NABARD), VSSN banks for organizing soil Health campaigns and other collaborative activities. • Organize more training programmes in collaborations with developmental departments of the district , including participating in ATMA.

VII. Planning of SAC during 2011-12

Sl. No	Date planned for conducting SAC meeting during 2011-12
01	15.05.2011
02	16.04.2012

VIII. Plan of Work for 2011-12

1. Operational areas details for 2011-12

Sl. No.	Taluk	Blocks/groups of villages	Major crops & enterprises being practiced	Major problems identified	Identified thrust areas	Existing / New Please State without fail	If existing from which year Please state
1.	Madikeri	<ul style="list-style-type: none"> Bettageri Bhagamandala Galeebeedu 	<ul style="list-style-type: none"> Coffee,Pepper Arecanut,Ginger Anthurium, Cardamom Paddy,Vegetables Piggery 	<ul style="list-style-type: none"> Poor yield in Paddy and Arecanut Berry borer in coffee, Wilt in Pepper Lack of knowledge on value addition Shoot borer problem in Ginger 	<ul style="list-style-type: none"> High Yielding varieties of Paddy Integrated nutrient mgmt. IPDM in Horticultural crops Value addition in fruits and vegetables Income generation 	New	-
2.	Virajpet	<ul style="list-style-type: none"> Mayamudi Begoor Hosoor Thithimathi Kedamallur Betoli 	<ul style="list-style-type: none"> Coffee,Pepper Arecanut,Ginger Banana, Paddy Piggery.Poultry Value addition 	<ul style="list-style-type: none"> Low yield in Paddy Poor yield in Banana Berry borer in coffee Inflorescence die back in Arecanut Wilt in Pepper Lack of knowledge on value addition Poor quality pork production 	<ul style="list-style-type: none"> Integrated nutrient management in Pepper and Paddy IDM in Pepper Value addition in fruits and vegetables Upgradation of local Pigs 	New	-
3.	Somwarpet	<ul style="list-style-type: none"> Hebbale TholurShettally Kumarally Ariyur Shanivarashanthe 	<ul style="list-style-type: none"> Coffee, Pepper Maize, Ginger Cardamom, Vegetables, Value addition 	<ul style="list-style-type: none"> Poor yield in Vegetables Berry borer in coffee Low yield and Wilt in Pepper White stem borer in Coffee Lack of knowledge on value addition Poor nutrient status in paddy 	<ul style="list-style-type: none"> Introduction of HYV of Chilly IPM in Chilly Value addition in fruits and vegetables INM in Vegetables 	New	-

2. Details of Thrust areas under which interventions are planned for 2011-12

A. Crops

Thrust areas	Crops to be covered	Interventions planned
Varietal introduction	Paddy, Chilly. Passion fruit ,Pepper and French bean	<ul style="list-style-type: none"> Assessment of Pepper varieties for Foot rot disease tolerance Assessment of Chilly varieties for high yield Assessment of Paddy varieties for late planting A Stringless French bean variety – “Arka Suvridha French bean variety – “Arka Anoop High yielding vegetable Cowpea variety -<i>Arka Garima</i> High yielding Paddy varieties for low lying areas –Hemavathy and Tunga A new IIHR Passion fruit hybrid Cauvery
Nutrient Management	Banana, Chilly, Paddy Arecanut, Pepper	<ul style="list-style-type: none"> Enhancement of Bunch size in Banana Foliar application of citrus special for Coorg Mandarin Foliar nutrition of vegetable special for high yield and quality Integrated Nutrient Management in Paddy Nut splitting management in Arecanut
Pest and disease management	Pepper, Ginger,Coffee,Citrus and Paddy	<ul style="list-style-type: none"> Quick wilt disease management in Pepper Shoot borer management in Ginger Inflorescence Die back disease management in Arecanut Berry borer management in Coffee Ecofriendly management of Fruit fly in Coorg Mandarin Blast disease management in Paddy
Value addition	Passion fruit, Pepper	<ul style="list-style-type: none"> Red pepper production Passion fruit squash

B. Livestock, poultry, fisheries

Thrust areas	Livestock/ poultry / fisheries to be covered	Interventions planned
Nutritional management	Piggery	Assessment of reducing Pig mortality at the time of weaning
Nutritional and disease management	Dairy	Assessment of effective treatment for repeat breeding in CB dairy cows
Fodder crops	Dairy	Highly palatable fodder crop CO-4
Prevention of disease	Piggery	Assessment of swine fever vaccine
Piggery management	Piggery	<ul style="list-style-type: none"> Introduction of Pig catcher Scientific Castration technique in Piggery
Upgradation of Local pig	piggery	Upgradation of Local pig
Composite fish culture	Fisheries	Composite fish culture

C. Others: Nil

1. Abstract of Interventions Proposed Based On the Identified Problems during 2011-12

Crop/ Enterprise	Thrust area	Identified Problem	Planned Interventions					
			Title of technology to be assessed under OFT	Title of technology to be refined under OFT	Title of FLD	Title of the Training	Type of Extension activities	Details of technological products produced and supplied
Paddy	<ul style="list-style-type: none"> • Varietal introduction • Nutrient management • Disease management 	<ul style="list-style-type: none"> • Low yield • Improper nutrient management • Blast disease 	<ul style="list-style-type: none"> • Assessment of Paddy varieties for late planting 	-	<ul style="list-style-type: none"> • High yielding Paddy variety for low lying areas – Hemavathy • High yielding Paddy variety Tunga • Integrated Nutrient Management in Paddy • Blast disease management in Paddy 	<ul style="list-style-type: none"> • Nutrient management in Paddy • Pest and disease management 	<ul style="list-style-type: none"> Group Meeting Demons. Field day 	
Coffee	<ul style="list-style-type: none"> • Pest management 	<ul style="list-style-type: none"> • Berry borer 	-	-	<ul style="list-style-type: none"> • Berry borer management in Coffee 	<ul style="list-style-type: none"> • Management of coffee berry borer 	<ul style="list-style-type: none"> Demos. Training, Field day 	
Pepper	<ul style="list-style-type: none"> • Varietal introduction • Disease management • value addition 	<ul style="list-style-type: none"> • Low yield • Quick wilt disease • Poor price for black pepper 	<ul style="list-style-type: none"> • Assessment of Pepper varieties for Foot rot disease tolerance • Quick wilt disease management in Pepper 	-	<ul style="list-style-type: none"> • Red pepper production 	<ul style="list-style-type: none"> • Nutrient management in Pepper • Quick wilt disease management 	<ul style="list-style-type: none"> Group Meeting Demons. Training, Field visits. 	
Arecanut	<ul style="list-style-type: none"> • Nutrient Management • Disease management 	<ul style="list-style-type: none"> • Nut splitting • Inflorescence die back disease 	<ul style="list-style-type: none"> • Inflorescence Die back disease management in Arecanut 	-	<ul style="list-style-type: none"> • Nut splitting management in Arecanut 	<ul style="list-style-type: none"> • Nutrient management in Arecanut • Pest and disease management 	<ul style="list-style-type: none"> Method Demons. Training, Field visits. 	

Ginger	<ul style="list-style-type: none"> • Pest management 	<ul style="list-style-type: none"> • Shoot borer 	<ul style="list-style-type: none"> • Shoot borer management in Ginger 	-	-	<ul style="list-style-type: none"> • Production technology in Ginger 	Group Meeting Training	
Coorg mandarin	<ul style="list-style-type: none"> • Nutrient management • pest management 	<ul style="list-style-type: none"> • No nutrient application • Fruit drooping due to Fruit fly infestation 	<ul style="list-style-type: none"> • Foliar application of citrus special for Coorg Mandarin 	-	<ul style="list-style-type: none"> • Ecofriendly management of Fruit fly in Coorg Mandarin 	<ul style="list-style-type: none"> • Nutrient management 	GM, Demons. Training	
Banana	<ul style="list-style-type: none"> • Nutrient management 	<ul style="list-style-type: none"> • Low yield • Poor bunch weight due to Improper nutrition 	<ul style="list-style-type: none"> • Enhancement of Bunch size in Banana 	-	-	<ul style="list-style-type: none"> • Integrated Crop Management 	GM, Demons. Field visits, Field day	
Chilly	<ul style="list-style-type: none"> • Varietal evaluation 	<ul style="list-style-type: none"> • Low yield 	<ul style="list-style-type: none"> • Assessment of Chilly varieties for high yield 	-		<ul style="list-style-type: none"> • Role of Foliar nutrition 	Field visits, GM, Demons	
French Bean	<ul style="list-style-type: none"> • Varietal introduction 	<ul style="list-style-type: none"> • Low yield 	-	-	<ul style="list-style-type: none"> • A Stringless French bean variety – “Arka Suvridha • Foliar nutrition of Vegetable special for high yield and quality • High yielding French bean variety – <i>Arka Anoop</i> 	<ul style="list-style-type: none"> • Production technology 	Field visits, GM,	
Cowpea	<ul style="list-style-type: none"> • Varietal introduction 	<ul style="list-style-type: none"> • Low yield 	-	-	<ul style="list-style-type: none"> • High yielding vegetable Cowpea variety -<i>Arka Garima</i> 	<ul style="list-style-type: none"> • Production technology 	Field visits, GM,	

Passion fruit	<ul style="list-style-type: none"> • Varietal introduction • value addition 	<ul style="list-style-type: none"> • Low yield • Poor juice quality 	-	-	<ul style="list-style-type: none"> • A new IIHR Passion fruit Hybrid Cauvery • Passion fruit squash 	<ul style="list-style-type: none"> • Production technology of Passion fruit • Value addition 	Demons.	
Fodder grass	<ul style="list-style-type: none"> • Varietal introduction 	<ul style="list-style-type: none"> • Poor quality green fodder 	-	-	<ul style="list-style-type: none"> • Highly palatable fodder crop CO-4 	<ul style="list-style-type: none"> • Fodder production 	Field visits, GM	
Dairy cows	<ul style="list-style-type: none"> • Nutrient management 	<ul style="list-style-type: none"> • Poor nutrition and low milk yield 	<ul style="list-style-type: none"> • Assessment of effective treatment for Repeat Breeding in CB dairy cows 	-	-	<ul style="list-style-type: none"> • Clean milk production in dairy cows • Scientific Calf rearing techniques 	GM Demons.	
Piggery	<ul style="list-style-type: none"> • Nutrition management • Prevention of disease • Piggery management 	<ul style="list-style-type: none"> • Poor body growth and swine fever 	<ul style="list-style-type: none"> • Assessment of reducing Pig mortality at the time of weaning • Assessment of swine fever vaccine 	-	<ul style="list-style-type: none"> • Introduction of Pig catcher • Upgradation of Local pigs • Scientific Castration technique in Piggery 	<ul style="list-style-type: none"> • Pig breeding techniques • Scientific Piggery management 	Field visits GM Demons	
Fishery	<ul style="list-style-type: none"> • Composite fish culture 	<ul style="list-style-type: none"> • Non utilization of farm ponds 	-	-	<ul style="list-style-type: none"> • Composite fish culture 	Composite fish culture	Field visits GM Demons	

3.2. Target set for number of interventions to be implemented during 2011-12

S. No	Particulars of intervention	Target number / Quantity
01	On Farm Trial	08 (100 trials)
02	Front Line Demonstration	20 (355 demos)
03	Training Programmes	
	Farmers and farm women	80
	Rural Youth	14
	Extension personnel	03
	Sponsored programmes	04
	Vocational Programmes	05
04	Extension Programmes	
	Field Days	04
	Kisan Mela	01
	Kisan Ghosthi	01
	Exhibitions	05
	Film Show	10
	Method Demonstrations	25
	Seminars	03
	Workshop	-
	Group meetings	30
	Lectures delivered	30
	Newspaper coverage	80
	Radio coverage	05
	TV coverage	05
	Radio Programmes	25
	TV Programmes	05
	Publications	05
	Popular articles	10
	Extension Literature	15
	Advisory Services	300
	Scientific visit to farmers field	180
	Farmers visit to KVK	1600
	Diagnostic visits	43
	Field visits	100
	Exposure visits	04
	Ex-trainees meet	02
	Agriculture Camps	02
	Clinic day	04
	Soil health Camps	08
	Animal Health Camps	05
	Agri mobile clinic	-
Soil test campaigns	05	
Farm Science Club Conveners meet	03	

	Self Help Group Conveners meetings	10
	Mahila Mandals Conveners meetings	05
	Special Day celebrations	04
	Awareness campaigns	06
	Others (Pl. specify)	-
	Production and supply of seed materials	
	1) Cereals	-
	ii) Oilseeds	-
	iii) Pulses	-
	iv) Vegetables	-
	v) Flower crops	-
	vi) Others (Specify)	-
	Production and supply of Planting materials	
	Fruits	2000
	Spices	5000
	Vegetables	50 kg
	Forest species	-
	Ornamental crops	-
	Plantation crops	10000
	Others	-
	Production and supply of bio-products	
	Bio agents	50 kg
	Bio fertilizers	-
	Bio pesticides	25 Lit
	Production and supply of livestock material	
	Piglets	80
	Poultry birds	100
	Goat	20
	Fisheries	10000 nos.
	Mushroom spawn	50 kg
06	Number of soil samples to be analyzed	650
07	Number of water samples to be analyzed	Nil

4. PLAN OF TECHNOLOGY ASSESSMENT AND REFINEMENT FOR 2011-12

Assessment

OFT-1. ASSESSMENT OF PADDY VARIETIES FOR LATE PLANTING

(New)

a.	Title of Technology Assessed	:	Assessment of Paddy varieties for Late Planting
b.	No. of Trials	:	15
c.	Problem Definition	:	Heavy rains during July and August and low yield
d.	Production system and thematic area	:	Rain fed and varietal evaluation

e. Details of the technologies with budget for critical inputs

Technology Options	Details of the technology assessed	Area in ha.	Year of release of the Technology Option	Source of the technology	Major Parameter of assessment	Other Parameters	Critical Inputs for Technology			
							Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)
Farmer's practice	<ul style="list-style-type: none"> Use of Intan variety (165-180 days) 	0.5	-	-	<ul style="list-style-type: none"> No. of tillers/pl No. of panicle/pl 	Yield and B:C ratio	NIL			
Option -2	<ul style="list-style-type: none"> Variety: KHP-5 Early variety (145-150 days) 	1.5	-	UAS Bangalore	<ul style="list-style-type: none"> No. of tillers/pl No. of panicle/pl 	Yield and B:C ratio	Seed paddy-KHP-5	200	45/kg	9000
Option-3	<ul style="list-style-type: none"> Variety : CTH-3 (130-135 days) 	1.5	-	UAS Bangalore	<ul style="list-style-type: none"> No. of tillers/pl No. of panicle/pl 	Yield and B:C ratio	Seed paddy-CTH-3	200	45/kg	9000
Total										18000

f. Cost per trial in **Rs.1800/-**

g. Total cost for the assessment in **Rs.18000/-**

OFT- 2. ASSESSMENT OF PEPPER VARIETIES FOR FOOT ROT DISEASE TOLERANCE**(New)**

a.	Title of Technology Assessed	:	Assessment of Pepper varieties for Foot Rot disease tolerance
b.	No. of Trials	:	15
c.	Problem Definition	:	Most destructive disease, all parts of the veins are vulnerable to the disease
d.	Production system and thematic area	:	Rain fed/ Protective irrigation and Varietal evaluation

e. Details of the technologies with budget for critical inputs

Technology Options	Details of the technology assessed	Area in ha.	Year of release of the Technology Option	Source of the technology	Major Parameter of assessment	Other Parameters	Critical Inputs for Technology			
							Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)
Farmer's practice	• Variety:Panniyur-1	0.2	-	-	% disease incidence	% mortality	NIL			
Option -2	• Variety: IISR Thevum	0.2	-	IISR, Calicut	% disease incidence	% mortality	Rooted cuttings: Thevum	300	15	4500
Option-3	• Variety: IISR Shakthi	0.2	-	IISR, Calicut	% disease incidence	% mortality	Rooted cuttings: Shakthi	300	15	4500
Total										9000

f. Cost per trial in **Rs.900/-**g. Total cost for the assessment in **Rs.9000/-**

OFT- 3. ASSESSMENT OF CHILLY VARIETIES FOR HIGH YIELD**(New)**

a.	Title of Technology Assessed	:	Assessment of Chilly Varieties for high yield
b.	No. of Trials	:	10
c.	Problem Definition	:	Use of local varieties leading to low yield
d.	Production system and thematic area	:	Rain fed/ Protective irrigation and Varietal evaluation

e. Details of the technologies with budget for critical inputs

Technology Options	Details of the technology assessed	Area in ha.	Year of release of the Technology Option	Source of the technology	Major Parameter of assessment	Other Parameters	Critical Inputs for Technology			
							Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)
Farmer's practice	• Use of local variety	0.2	-	-	% disease incidence	Yield and B:C ratio	NIL			
Option -2	• Variety: <i>Arka Haritha</i>	0.2	-	IIHR, Bangalore	% disease incidence	Yield and B:C ratio	Seeds : <i>Arka Haritha</i>	4.0 kg	1125	4500
Option-3	• Variety: <i>Arka Suphal</i>	0.2	-	IIHR, Bangalore	% disease incidence	Yield and B:C ratio	Seeds : <i>Arka Suphal</i>	4.0 kg	1125	4500
Total										9000

f. Cost per trial in **Rs.900/-**g. Total cost for the assessment in **Rs.9000/-**

OFT- 4. MANAGEMENT OF SHOOT BORER IN GINGER**(New)**

a.	Title of Technology Assessed	:	Management of Shoot Borer in Ginger
b.	No. of Trials	:	10
c.	Problem Definition	:	Shoot borer is a major problem in ginger cause severe damage in young shoots
d.	Production system and thematic area	:	Rain fed and Pest management

e. Details of the technologies with budget for critical inputs

Technology Options	Details of the technology assessed	Area in ha.	Year of release of the Technology Option	Source of the technology	Major Parameter of assessment	Other Parameters	Critical Inputs for Technology			
							Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)
Farmer's practice	• No management practices are followed	0.5	-	-	% shoot infected	Yield and B:C ratio	NIL			
Option -2	• Spraying of Systemic insecticide Dimethoate 2 ml/ lit at two months old crop	2.0	-	UAS, Bangalore	% shoot infected	Yield and B:C ratio	Dimethoate	20 lit	400	8000
							Wetting agent	5 lit	70	350
Option -3	• Spraying of Lambda-cyhalothrin 1.0 ml/ lit at two months old crop + spraying of Dimethoate 2 ml/li	2.0	-	IISR Calicut	% shoot infected	Yield and B:C ratio	Lambda-cyhalothrin	14 lit	450	6300
							Wetting agent	5 lit	70	350
Total										15000

f. Cost per trial in Rs.**1500/-**g. Total cost for the assessment in Rs.**15000/-**

OFT- 5. MANAGEMENT OF INFLORESCNCE -DIE BACK DISEASE IN ARECANUT**(3rd year continuation)**

a.	Title of Technology Assessed	:	Management of Inflorescence die back disease in Arecanut
b.	No. of Trials	:	10
c.	Problem Definition	:	Inflorescence die back disease is a major problem in arecanut cause 20-40% yield loss
d.	Production system and thematic area	:	Rain fed and Disease management

e. Details of the technologies with budget for critical inputs

Technology Options	Details of the technology assessed	Area in ha.	Year of release of the Technology Option	Source of the technology	Major Parameter of assessment	Other Parameters	Critical Inputs for Technology			
							Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)
Farmer's practice	• No management practices are followed	0.5	-	-	No. of inflorescence infected/ pl	Yield and B:C ratio	NIL			
Option -2	• Spraying of Mancozeb 2.5 gm/lit at the time of opening of female flower	1.0	-	UAS, Bangalore	No. of inflorescence infected/ pl	Yield and B:C ratio	Mancozeb	7 kg	400	2800
							Wetting agent	5 lt.	70	350
Option -3	• Removal of infected inflorescence • Spraying of Zineb 4 gm/lit at the time of opening of female flower	1.0	-	CPCRI Kasargod	No. of inflorescence infected/ pl	Yield and B:C ratio	Zineb	12 kg	460	5500
							Wetting agent	5 lit	70	350
Total										9000

f. Cost per trial in Rs.**900/-**g. Total cost for the assessment in Rs.**9000/-**

OFT- 6. QUICK WILT DISEASE MANAGEMENT IN BLACK PEPPER**(2nd year continuation)**

a.	Title of Technology Assessed	:	Quick wilt disease management in Black Pepper
b.	No. of Trials	:	10
c.	Problem Definition	:	Quick wilt disease in Pepper is a serious soil born disease in Black Pepper cause 30-70 % loss. Hence a suitable Integrated management practices is required for managing the disease.
d.	Production system and thematic area	:	Rain fed / Protective irrigation and disease management

e. Details of the technologies with budget for critical inputs

Technology Options	Details of the technology assessed	Area in ha.	Year of release of the Technology Option	Source of the technology	Major Parameter of assessment	Other Parameters	Critical Inputs for Technology			
							Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)
Farmer's practice	• Spraying of Bordeaux mixture	0.5	-	-	% disease incidence	Yield and B:C ratio	NIL			
Option -2	<ul style="list-style-type: none"> • Soil application of <i>Trichoderma viridae</i> 50 gm / vein along with 5 kg FYM before onset of monsoon • Spraying of 1% Bordeaux mixture to vein during June-July • Drenching of Cupper Oxychloride 3 gm/ lit (2-3 lit/vein) during June-July. 	1.0	-	UAS Bangalore	% disease incidence	Yield and B:C ratio	<i>Trichoderma viridae</i>	50 kg	75	3750
							Cupper Oxychloride	5 kg	430	2150
Option -3	<ul style="list-style-type: none"> • Soil application of <i>Trichoderma harzianum</i> 50 gm / vein along with 1kg Neem cake during May-June. • Spraying of 1% Bordeaux mixture to vein during June-July • Drenching of Metalaxyl Mancozeb 2.5 gm/ lit (3-4 lit/vein) during June-July. 	1.0	-	IISR, Calicut	% disease incidence	Yield and B:C ratio	<i>Trichoderma harzianum</i>	50 kg	75	3750
							Metalaxyl Mancozeb	5 kg	1670	8350
							Neem cake	500 kg	8.0	4000
Total										22000

f. Cost per trial in Rs.**2200/-**g. Total cost for the assessment in Rs.**22,000/-**

OFT- 7. ASSESSMENT OF EFFECTIVE TREATMENT FOR REPEAT BREEDING IN CB DAIRY COWS IN KODAGU**(New)**

a.	Title of Technology Assessed	:	Assessment of Effective treatment for repeat Breeding in CB Dairy Cows In Kodagu
b.	No. of Trials	:	15 animals
c.	Problem Definition	:	Loss in dairy practice due to increased Intercalving period
d.	Production system and thematic area	:	Nutritional and disease management

e. Details of the technologies with budget for critical inputs

Technology Options	Details of the technology assessed	Area in ha.	Year of release of the Technology Option	Source of the technology	Major Parameter of assessment	Other Parameters	Critical Inputs for Technology			
							Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)
Farmer's practice	<ul style="list-style-type: none"> No proper feeding Left only grazing in open hilly areas and Poor nutrition 	5 animals	-	-	Fertility % after AI/NS	Milk yield	NIL			
Option -2	<ul style="list-style-type: none"> Usage of Injection Chorulon- 10 ml/ - 1500 IU/cow hormone + Deworming in treatment of repeat breeding 	5 animals	-	KVAFSU Bidar	Fertility % after AI/NS	Milk yield	Injection Chorulon	30 vial	180	6650
							Panacur	50 bolus	25	
Option -3	<ul style="list-style-type: none"> CoCuVit tablets + Deworming and feeding of handful of Curry leaves for 10 days after AI/Natural service 	5 Animals	-	ITK	Fertility % after AI/NS	Milk yield	CoCuVit tablets	36 pocket	50	3050
							Panacur	50 bolus	25	
Total										9700

f. Cost per trial in **Rs.970/-**g. Total cost for the assessment in **Rs. 9700/-**

OFT- 8. ASSESSMENT OF REDUCING PIGLET MORTALITY AT THE TIME OF WEANING**(New)**

a.	Title of Technology Assessed	:	. Assessment of reducing Piglet Mortality at the time of Weaning
b.	No. of Trials	:	10
c.	Problem Definition	:	High piglet mortality due to poor body growth
d.	Production system and thematic area	:	Nutrient and environmental management

e. Details of the technologies with budget for critical inputs

Technology Options	Details of the technology assessed	Area in ha.	Year of release of the Technology Option	Source of the technology	Major Parameter of assessment	Other Parameters	Critical Inputs for Technology			
							Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)
Farmer's practice	• No Iron supplementation to the piglets	20 animals	-	-	% piglet mortality at the time of weaning (8 week)	Body weight gain	NIL			
Option -2	• Injection of Iron (Ferrous sulphate) @ 1 ml /piglet at 4 th and 14 th day of life.	20 animals	-	KVAFSU Bidar	% piglet mortality at the time of weaning (8 week)	Body weight gain	Inferon injection- 10ml vial	20 vials	85	1700
							Albomar 60 ml bottle	30 bottles	60	1800
Option-3	• Feeding of Sharkoferol 5-10 gm/ day for 30 days	20 Animals	-	KVAFSU Bidar	% piglet mortality at the time of weaning (8 week)	Body weight gain	Sharkoferol 450 gm bottle	25 bottles	100	2500
							Albomar 60 ml bottle	15 bottles	60	900
							Round spring weighing balance	1 no	1100	1100
Total										8000

f. Cost per trial in Rs.**400/-**g. Total cost for the assessment in Rs.**8000/-**

5. FRONTLINE DEMONSTRATIONS

Category	Problem identified	Thematic area	Current status of yield q/ ha / number / litres/unit / kg/unit			Technology to be demonstrated	Source & Year of release	Local check	Area in ha / No. of units / animals /birds	No. of demo.	Critical inputs to be provided per demonstrations		Total cost for all demo.
			Dist. average	Potential	Farmers						Name & Quantity (kg/ha) or number/unit	Cost (Rs./ha) or Rs./unit	
Cereals & millets													
Paddy	Low yield	Varietal introduction	40	60-65	45	Paddy variety: Thunga (IET 13901)	UAS, Bangalore 2005	Paddy variety: Intan	5.0	20	Seed Paddy : Tunga 80 kg/ha	20/ kg	8000
Banana	Poor bunch wt.	Nutrient management	25	30-40	28	Enhancement of Bunch Size in Banana Application of RDF + Foliar spray of Banana special (5 gm/lit) at 5, 6, 7,8 th month plant and 2 spray for bunch at monthly interval + Bunch bagging with Sulphate of Potash + Urea in 500 ml cowdung slurry to the denowelled stalk end.	2002	Nendra / Robusta/ Hoobale	3.0	10	Banana special 50 kg @ Rs. 150 Urea 100 kg@ Rs. 6.5 Sulphate of Potash 100 kg@ Rs. 50 Polythene bags 5 kg @ Rs. 180	7500 650 5000 850	14000

Paddy	Low yield	Integrated crop mgmt.	40	60-65	45	<p>Integrated Nutrient Management in Paddy</p> <ul style="list-style-type: none"> • Paddy var. Hemavathy • Application of Recommended Dose of Fertilizer 75:75:90 kg NPK/ha • Application of Zinc sulphate 20 kg/ha 	UAS, Bangalore 1998	Paddy variety: Intan	6.0		Seed Paddy : Hemavathy 75 kg/ha @ Rs. 20 Urea 200 kg Rock Phosphate 300 kg Mutate of Potash 200 kg Zinc sulphate 100 kg	10000 1300 1350 1200 2650	16500
Paddy	Blast disease	Disease management	40	60-65	45	<p>Blast disease management in Paddy</p> <ul style="list-style-type: none"> • Seed treatment with Carbendazim 2 gm/ kg seeds • Spraying of Tricyclozole 0.6 gm /lit at the time of tillering stage 	UAS, Bangalore	No spray	4.0	20	Carbendazim 100 gm /unit Tricyclozole 100 gm /unit Wetting agent 1 lit/unit	90 225 90	9500

Fruits													
Coorg Mandarin	Fruit fly	Pest management	90	175	130	Ecofriendly management of Fruit fly in Coorg Mandarin • Use of Pheromone traps (15 traps/ha) during August – September	IIHR Bangalore	No Management practices are followed	10.0	20	Pheromone traps 15/unit	450	9000
Passion fruit	Low yield and poor juice quality	Varietal introduction	-	-	-	A New IIHR Passion fruit hybrid -Cauvery	IIHR Bangalore	-	-	20	Rooted cuttings 450	10	5000
Passion fruit	Poor consumption	Value addition	-	-	-	Passion fruit squash	IIHR Bangalore	-	-	20	Bottles: 200 no.	10	12000
											Passion fruit : 50 kg	10	
											Sugar: 50 kg	35	
											Citric acid : 0.5 kg	25	
											KMS: 0.5 kg	50	
Vegetables													
French Bean	Micro nutrient deficiency symptoms leads to low yield and quality	Nutrient management	-	-	-	Foliar nutrition of Vegetable special for high yield and quality •Spraying of Vegetable special 5 gm /lit. Three sprays for transplanted vegetables : 1 st at 30 DAT, 2 nd at 45 DAT and 3 rd at 60 DAT	IIHR Bangalore	No Foliar application of micro nutrients	2.5	20	Vegetable special 25 kg/ha	150	8500
	Low yield	Varietal introduction	-	-	-	A Stringless French bean variety – Arka Savidha	IIHR Bangalore	-	1.0	10	Arka suvidha 63 kg/ha	160	11000
											Carbofuron 10 kg	85	
Low yield	Varietal introduction	-	-	-	High yielding French bean variety – Arka Anoop	IIHR Bangalore	-	1.0	10	Arka Anoop 63 kg/ha	160	11000	
										Carbofuron 10 kg	85		

Cowpea	Low yield	Varietal introduction	-	-	-	An High yielding vegetable Cowpea variety -Arka Garima	IIHR Bangalore	-	1.0	10	Arka Garima 25 kg/ha	120	9000
											Carbofuron 10 kg	95	
Plantation crops													
Arecanut	Nut splitting	Nutrient management				Management of nut splitting in Arecanut Soil application of Boron 25g/plant	CPCRI, Kasargod	No management practices are followed	3.0	20	Borax 33 kg/ha	2640	7900
Coffee	Berry borer	Pest management	25	37	31	Berry Borer management in Coffee • Use of Broco traps (65 traps/ha) during Dec –February	CCRI, Balehonnur	No Management practices are followed ma	12.0	30	Broco traps 65/ha	845	13500
											Lure chemical 2.5 lit/ha	280	
Pepper	Less price for Black Pepper	Value addition	-	-	-	Red Pepper Production • Preserve the ripe pepper in brine solution during January	IISR, Calicut	Sale only black pepper	-	20	Salt :20 kg	12	12000
											Container: 200 no.	60	
Fodder crops													
CO-4	Low milk yield in dairy cows	Nutrient management	-	-	-	Highly palatable fodder crop CO-4	TNAU	Improper feeding	-	10	Root slips 15000	0.5	8000
											Deworming 60 boli	25	

Live stock													
Piggery	Poor body growth	Piggery management	-	-	-	Scientific Castration technique in Piggery <ul style="list-style-type: none"> Open method of Male Piglet castration Deworming 	KVAFSU Bidar	Unhygienic local castration methods	-	10	Vet.Medicines viz., Anesthetic med. BP blade Suture thread and needle Antibiotic Anti-inflammatory and Analgesic Albomar – 60 ml oral liquid	450	4500
Piggery	Poor body weight and stunted growth	Upgradation of local pigs	30 kg body wt./yr.	90 kg body wt./yr.	40 kg body wt./yr	Upgradation of Local pigs using Duroc boars	KLDB Thrissur	No practice of cross breeding	-	5	Duroc Boars pigs 5 no Pig feed for Eight months 6 bags	1250 1000	12500
Piggery	Outbreak of swine fever	Disease mgmt.	30 kg body wt./yr.	90 kg body wt./yr.	40 kg body wt./yr	Integrated Approaches to Enhance Piggery production	IAH & VB, Bangalore	Vaccination for foot and mouth and hemorrhagic septicemia disease	-	10	Formalin 25 lt. Phenol 25 lt. Swine fever vaccine 400 doses	2250 2500 1200	8500
Fishery	Non utilization of Farm ponds	Fishery	20	50	24	Composite fish culture Stocking of Catla : Rohu: Mrighal (4:3:3)	KVAFSU Bidar	No practice	-	20	Catla: 8000 no. Rohu: 6000 no. Mrighal: 6000 no	12000	24000

6. TRAINING PROGRAMMES

6.1. Plan of training programmes for Farmers/ Farm Women during 2011-12

Crop / Enterprise	Major problem	Identified Thrust Area	Training Course Title*	No. of Courses	Skill to be transferred
Paddy	<ul style="list-style-type: none"> Poor nutrition Blast disease 	<ul style="list-style-type: none"> Nutrient management Pest and disease management 	<ul style="list-style-type: none"> Nutrient mgmt. in Paddy Pest and disease management 	6	<ul style="list-style-type: none"> Seed treatment Identification of pest and diseases
Coffee	<ul style="list-style-type: none"> Acidic soil Berry borer 	<ul style="list-style-type: none"> Soil reclamation in coffee Pest Management 	<ul style="list-style-type: none"> Management of Berry borer 	3	<ul style="list-style-type: none"> Installation of pheromone traps
Pepper	<ul style="list-style-type: none"> Poor nutrition Quick wilt disease Low yield 	<ul style="list-style-type: none"> Nutrient Management Pest and disease Management 	<ul style="list-style-type: none"> Nutrient mgmt. In Pepper Quick wilt disease management in Pepper 	3	<ul style="list-style-type: none"> Method of <i>Trichoderma</i> application
Arecanut	<ul style="list-style-type: none"> Imbalance nutrient application. inflorescence die back 	<ul style="list-style-type: none"> Nutrient mgmt. Pest & disease management. 	<ul style="list-style-type: none"> Method of soil sampling Production technology of Arecanut Pest and disease mgmt. 	5	<ul style="list-style-type: none"> Soil sampling and BM preparation.
Banana	<ul style="list-style-type: none"> poor bunch weight 	<ul style="list-style-type: none"> Nutrient mgmt. Pest mgmt. 	<ul style="list-style-type: none"> INM in Banana IPDM in Banana 	2	<ul style="list-style-type: none"> Prepn. of foliar spray Sucker treatment
Passion fruit	<ul style="list-style-type: none"> Local variety, wilt incidence 	<ul style="list-style-type: none"> High Yielding Variety 	<ul style="list-style-type: none"> Production technology Value added product preparations 	3	<ul style="list-style-type: none"> Training and Pruning Method demonstrations
Vegetables	<ul style="list-style-type: none"> Low yield Pest mgmt. 	<ul style="list-style-type: none"> High Yielding Variety Nutrition 	<ul style="list-style-type: none"> Production technology. Plant protection, Nutrient mgmt. 	3	<ul style="list-style-type: none"> Seed treatment Grading Packing
Piggery	<ul style="list-style-type: none"> Poor growth Lack of scientific management 	<ul style="list-style-type: none"> Upgradation of local pigs 	<ul style="list-style-type: none"> Scientific piggery management Pig breeding techniques 	05	<ul style="list-style-type: none"> Castration and handling techniques
Dairy cows	<ul style="list-style-type: none"> Low milk yield Lack of scientific knowledge 	<ul style="list-style-type: none"> Dairy management 	<ul style="list-style-type: none"> Clean milk production in dairy cows Scientific Calf rearing techniques 	05	<ul style="list-style-type: none"> Milking methods Cleaning techniques

Vermicomposting	<ul style="list-style-type: none"> • Non utilization of farm waste 	<ul style="list-style-type: none"> • Farm resource utilization 	<ul style="list-style-type: none"> • Importance and role of vermin compost in organic farming 	6	<ul style="list-style-type: none"> • Multiplication techniques
Mushroom cultivation	<ul style="list-style-type: none"> • Non utilization of farm wastes 	<ul style="list-style-type: none"> • Farm resource utilization 	<ul style="list-style-type: none"> • Importance and role of Mushroom cultivation 	4	<ul style="list-style-type: none"> • Demonstration
Processing of Fruit & Vegetables	<ul style="list-style-type: none"> • Under utilization 	<ul style="list-style-type: none"> • Value addition 	<ul style="list-style-type: none"> • Demonstration of preparation of different Jam. Jelly, squashes, pickle 	13	<ul style="list-style-type: none"> • Demonstrations
Cookery	<ul style="list-style-type: none"> • In sufficient knowledge 	<ul style="list-style-type: none"> • To develop skill of farm women in prepn. of different food recipes 	<ul style="list-style-type: none"> • Bakery product preparations 	8	<ul style="list-style-type: none"> • Demonstration
Nutritive health drink prepn.	<ul style="list-style-type: none"> • Poor knowledge 	<ul style="list-style-type: none"> • To develop skills 	<ul style="list-style-type: none"> • Prepn. of health drinks 	4	<ul style="list-style-type: none"> • Demonstration
Washing powder and phenyl preparation	<ul style="list-style-type: none"> • Poor knowledge 	<ul style="list-style-type: none"> • Income generation 	<ul style="list-style-type: none"> • Preparation of Washing powder and phenyl 	6	<ul style="list-style-type: none"> • Demonstration
Needle work	<ul style="list-style-type: none"> • Lack of skill in basic knowledge of different stitches 	<ul style="list-style-type: none"> • Income generation 	<ul style="list-style-type: none"> • Needle work 	4	<ul style="list-style-type: none"> • Demonstration
Handicraft	<ul style="list-style-type: none"> • Poor knowledge 	<ul style="list-style-type: none"> • Income generation 	<ul style="list-style-type: none"> • Handicraft 	5	<ul style="list-style-type: none"> • Demonstration

6.2. Plan of training programmes for Rural Youth during 2011-12

Crop / Enterprise	Major problem	Identified Thrust Area	Training Course Title*	No. of Courses	Skill to be transferred
Mushroom	• Low income	• Income generation	Oyster mushroom production	04	Method demo
Washing powder and phenyl preparation	• Poor knowledge	• Income generation	Washing powder and phenyl preparation	02	Method demo
Needle work	• Poor knowledge	• Income generation	• Needle work	04	• Demonstration
Handicraft	• Poor knowledge	• Income generation	• Handicraft	03	• Demonstration
Knitting	• Poor knowledge	• Income generation	• Preparation of swatters, scarf's, crochets etc.	03	• Demonstration
Poultry	• Poor income	• Income generation	• Giriraja- Backyard poultry in rural areas	02	-

6.3. Plan for training programmes for Extension Personnel during 2011-12

Crop / Enterprise	Identified Thrust Area	Organization	Training Course Title	No. of Courses	Skill to be transferred
Coffee	Capacity building	Coffee Board	Coffee trade – Group basis	01	-
Arecanut	Intercrops	VSSN banks	Recent advances in plantation crops	01	-
Banana	Nutrient management	NGOs	Recent advances in cultivation of Banana	01	Bunch bagging with nutrient. Mixture

6.4. PLAN OF VOCATIONAL TRAINING PROGRAMMES FOR YOUNG FARMERS DURING 2011-12

Crop / Enterprise	Identified Thrust Area	Training title*	No. of programmes and Duration (days)	Skill to be transferred
Needle work	Income generation	Needle work	2(7 days)	Basic stitches skills
Knitting	Income generation	Knitting	1 (15 days)	Basic skills
Toy making	Income generation	Toy making	1 (7 days)	-
Handicrafts	Income generation	Handicrafts	2 (15 days)	Design, techniques
Tailoring	Income generation	Tailoring	1 (15 days)	Stitching techniques
Livestock	Piggery	Scientific Piggery management	2(4 days)	Hygienic maintenance
Home science	Value addition	Processing and preservation of fruits	2 (7 days)	Preparation of Jam, Jelly and ketchup

6.5. Plan for sponsored training programmes during 2011-12

Crop/ Enterprise	Identified Thrust Area	Organization	Training course title*	No. of Courses	Sponsoring Agency	Skill to be transferred
Vermicomposting	Organic farming	Dept. of Hort.	Composting and its technology	2	Dept of Horticulture	Handling of worms
Personality development	Capacity building	NYK	Capacity building	1	NYK	-
Processing	Value addition	NABARD & KVK	Entrepreneurship development programmes	2	NABARD	Method demonstration
Mixed farming	Income generation	Dept of Veterinary	Role of animals in mixed farming situations	2	Dept of Veterinary	Vaccination

7. Extension programmes planned for 2011-12

Month	Block & village	Extension programme*	Its relation to KVK activities	Expected category of participants	Remarks
1	2	3	4	5	6
May 2011	Bhagamandala	<ul style="list-style-type: none"> Field visits Diagnostic visits Group meeting 	<ul style="list-style-type: none"> FLD/OFT Training programmes 	Farmers/ Farm women	-
June 2011	Hebbale Mayamuydi	<ul style="list-style-type: none"> Method demonstration Field visits Group meeting 	<ul style="list-style-type: none"> FLD/OFT Training programmes 	Farmers/ Farm women/ Rural youth	-

July 2011	Kottageri Ariyur	<ul style="list-style-type: none"> • Method demonstration • Group meeting • Field visits 	<ul style="list-style-type: none"> • FLD/OFT • Training programmes 	Farmers/ Farm women/ Rural youth	-
August - September 2011	Kushalnagar kumarally Hosur	<ul style="list-style-type: none"> • Field visits • Group meetings 	<ul style="list-style-type: none"> • FLD/OFT • World Food Day • Training programmes 	Farmers/ Farm women	-
October 2011	Ariyur Karkally	<ul style="list-style-type: none"> • Field Days • Group meetings • Soil Campaigns 	<ul style="list-style-type: none"> • FLD/OFT • Training programmes 	Farmers/ Farm women/NGOs	-
November - December 2011	Ariyur Balele Bhagamanadala	<ul style="list-style-type: none"> • Field Days • Field visits • Group meetings 	<ul style="list-style-type: none"> • FLD/OFT • Training programmes • Farmers Day 	Farmers/ Farm women	-
January, February March 2012	Tholurshettally Shanivarashanthe Suntikoppa	<ul style="list-style-type: none"> • Field Days • Field visits • Diagnostic visits 	<ul style="list-style-type: none"> • FLD/OFT • Training programmes 	Farmers/ Farm women/SHGs	-

8. Details of print & electronic media coverage planned for 2011-12

Sl. No.	Nature of literature/publications and no. of copies	Proposed title of the publication
1.	Folders	Importance of soil testing
		Nutrient requirement of different horticultural crops
		Berry borer management in Coffee
		Quick wilt management in Pepper
		Bordeaux mixture preparation
		Banana production technology
		Plant protection in pepper
		Plant protection in Arecanut
		Integrated pest management in Paddy
		Cultivation of Fodder grass
		Clean milk production techniques in dairy animals
Scientific Piggery management		
Sl. No.	Nature of media coverage	Proposed title of the programme to be telecasted/ broadcast
1.	TV Programme	Mixed cropping in Coffee
		Bordeaux mixture preparation
		Anthurium cultivation
		Scientific Piggery management
2	Radio Programme	Activities of Krishi Vigyan Kendra
		Koleroga Management in Arecanut
		Scientific Piggery management

9. Nature of collaborative activities planned for 2011-12

Thrust area	Collaborative Organizations	Nature of activities*	No. of Activities
Crop production	Department of Agriculture and Horticulture	Crop production technologies of important plantation crops	4
Pest management	Department of Agriculture/Coffee Board/NGO	Pest management in Paddy, Coffee	4
Soil testing	Department of Horticulture Farmers Clubs / NGO/VSSN Banks	Soil testing campaigns	8
Skill development	Youth clubs	Personality developments programmes for rural youths	2
Disease prevention	Department of AH & VS	Animal Health and Vaccination camps	2

10. Financial status of revolving fund and plan for its utilization

Opening balance as on 01.04.2010 (Rs.in Lakh)	Expenditure incurred during 2010-11 (Rs.in Lakh)	Receipts during -2010-11 (Rs.in Lakh)	Closing balance as on 31.01.2011 (Rs.in Lakh)	Proposed expenditure during 2011-12 (Rs.in Lakh)	Purpose	Expected production (Tonnes / Lakh Numbers/)	Proposed receipts during 2011-12 (Rs.in Lakh)
689395	280104	725172	682196	350000	Duroc Pig lets	85 no.	165000
					Malabari goat kids	20 no.	10000
					Planting material	10000	18000
					Sapota	2 tons.	12000
					Guava	0.5 tons.	5000
					Coffee	1.0 tons.	45000
					Pepper	1.25 tons.	350000
					Arecanut	0.25 tons.	22000
					Tender coconut	5000 no.	20000
					Total		647000

11. Physical status of revolving fund and plan for its utilization

Opening stock position of materials* as on 01.04.2010 (Tonnes / Lakh Numbers/)	Quantity produced during 2010-11 (Tonnes / Lakh Numbers/)	Quantity sold during 2010-11 (Tonnes / Lakh Numbers/)	Closing stock position as on 31.01.2011 (Tonnes / Lakh Numbers/)	Expected production during 2011-12 (Tonnes / Lakh Numbers/)	Expected number of farmers to be benefited
Pepper rooted cuttings-500	5000 no.	2000 no.	3000	7500	20
Coffee seedlings-1000	8000 no.	4000no.	4000	15000	40
Cardamom seedlings	3750	3750	Nil	6000	40
Areca nut seedlings	5500 no.	2780 no.	500	5000	30

Areca nut	1800 kg	1800 kg	-	2000 kg	Auction
Guava fruits	1000kg	1000 kg	-	1000 kg	50
Sapota fruits	3000 kg	2300 kg	-	2500 kg	Auction
Citrus	350 kg	290 kg	-	800 kg	10
Passion fruit	50 kg	40 kg	-	500 kg	25
Tender coconut	5000 no.	4900	-	8000 no.	Auction
Pepper (dry)	2800 kg	2800 kg	-	2000 kg	Auction
Coffee dry	2800 kg	2800 kg	-	1800 kg	Auction
Duroc piglets	70 no.	78 no.	8 no.	65 no.	30
Goats	14 no.	-	12	15	8
Poultry birds	200 no.	150 no	50 no.	-	-

12. Status of KVK farm and Demonstration units

No. of blocks	Area	Source of irrigation	Season	Crop/enterprise/ demonstration units	Size (no. of units/area)	Expected output	
						Quantity	Value (Rs.in lakh)
2	2.0	Rain fed	Rabi/summer	Guava, Sapota	170 pl	2.5 tons.	17000
1	1.8	Rain fed	Rabi/summer	Coffee + Pepper + Sapota + Cocoa +Tender Coconut	3500	2.5 tons + 500	395000
1	0.5	Rain fed	Rabi/summer	Arecanut	600	1600	22000
3	2.0	Rain fed	Rabi/summer	Tender coconut	90	5000 no.	20000
2	0.5	Bore well	Kharif/Rabi/summer	Cardamom seedlings	-	4000	18000
				Arecanut	-	3000	
				Pepper	-	3000	
2	0.3	Bore well	Kharif/Rabi/summer	Piggery	16+2	85 no	165000
				Goat kids	12	20 no.	10000
						Total	647000

13. Are there any activities planned for production and supply (Either buy back or directly farmer to farmer) of seeds/ planting material/ Bio-agents etc. in villages (other than KVK farm) so that public private partnership is utilized. Please give details in the following format

Sl. No	Seeds/Planting material /Bio-agent	Name of the public-private partnership arranged	Quantity of output expected (Qtl)
1	Vermi compost and worms	Farmer – Farmer concept	20 Tons of Vermi compost and 60 kgs of worms(8 units)
2	Ginger seed production	Farmer – Farmer concept	1 Tons of Seed rhizome(4 units)
3	Duroc piglets	Farmer – Farmer concept	100 Piglets (18 units)
4	Goat kids(Malabari)	Farmer – Farmer concept	60 Goat kids (8 units)
5	Azolla	Farmer – Farmer concept	10 kgs Azolla culture

14. What is the extent of cultivable wasteland in your district? Are there any specific activities planned to be implemented in these wastelands by the KVK during 2011-12. Please give details.

Nil

15. National Horticulture Mission (NHM) is being implemented through out the country. You are requested plan for implementing some of the activities envisaged in NHM in your district in collaboration with district head of department of horticulture. Please give details of any such plans for 2011-12

Sl. No	Name of activity	Crops	Extent of coverage	
			No. of farmers	Area (ha)
1.	Training	Coffee based Mixed cropping	90	10.0

16. Whether SREP under ATMA is prepared and implemented functioning in your district? YES

If yes, what type of coordination and collaboration does your KVK is proposed to have during 2011-12?

Sl. No	Name of activity / Programmes	No. of programmes	Crops / Enterprise	Extent of coverage*	
				No. of farmers	Area (ha)
1	Technology assessment /Refinement,Validation,FLD's and Extension activities	08	Paddy/ Piggery	40	10.0

17. What type of scientist-Farmer linkages are proposed by your KVK for 2010-11?

Sl. No.	Programme	Tentative month	Resource person
1	Farmer-scientist interaction on cultivation of Arecanut	November 2011	KVK /NGOs/Media
2	Farmer-scientist interaction on cultivation of pepper	October 2011	KVK- Scientist from IISR Appangala, Madikeri
3	Special training Programme on Post Harvest Technology	January - 2012	IIHR, Bangalore & KVK
4	Farmer-scientist interaction on Citrus	December 2011	KVK- Scientist from IIHR
5	Ex-trainee farmers meet	October 2011	KVK and IIHR - Scientists

18. Activities of soil, water and plant testing laboratory

Year of establishment	Expenditure is Rs.(lakhs)	No. of soil samples planned To be analyzed and reported	No. of water samples planned To be analyzed and reported	No. of Plant Samples planned To be analyzed and reported	Remarks if any
2006	12.5	650	-	-	-

19. Details of budget utilization (2010-11) upto February 2011

S.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	80.00	-	59.50
2	Traveling allowances	1.00	-	0.46
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	1.50	-	1.33
B	POL, repair of vehicles, tractor and equipments	1.20	-	1.05
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	0.65	-	0.54
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.30	-	0.19
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	1.50	-	1.05
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.70	-	0.40
G	Training of extension functionaries	0.25	-	0.16
H	Maintenance of buildings	0.30	-	0.27
I	Establishment of Soil, Plant & Water Testing Laboratory	-	-	-
J	Library	0.05	-	0.04
k	FFS	0.25	-	0.18
l	Extension activities	0.30	-	0.20
TOTAL (A)		88.00		65.37
B. Non-Recurring Contingencies				
1	Works	-	-	-
2	Equipments including SWTL & Furniture	8.60	-	-
3	Vehicle (Four wheeler/Two wheeler, please specify)	-	-	-
4	Library (Purchase of assets like books & journals)	0.10	-	0.05
TOTAL (B)				
C. REVOLVING FUND		-	-	2.49.872
GRAND TOTAL (A+B+C)		96.70	-	67.92

20. Details of Budget Estimate (2011-12) – ICAR KVKs alone may consider Pay and Allowances based on VI Pay Commission Orders from ICAR, for rest of the KVKs please estimate based on the existing norms, since ICAR is yet to take decision in this regard.

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	95.00	-	-
2	Traveling allowances	2.00	-	-
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	3.50	-	-
B	POL, repair of vehicles, tractor and equipments	2.50	-	-
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1.00	-	-
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	1.50	-	-
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	1.50	-	-
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.90	-	-
G	Training of extension functionaries	0.50	-	-
H	Maintenance of buildings	3.00	-	-
I	Establishment of Soil, Plant & Water Testing Laboratory	0.50	-	-
J	Library	0.10	-	-
k	Extension activities	0.75	-	-
l	FFS (2 no.)	0.60	-	-
TOTAL (A)		16.35		-
B. Non-Recurring Contingencies				
1	Works	2.50		-
2	Equipments including SWTL & Furniture	3.00	-	-
3	Vehicle (Four wheeler)	8.00	-	-
4	Library (Purchase of assets like books & journals)	0.20	-	-
TOTAL (B)		13.70	-	-
C. REVOLVING FUND		-	-	-
GRAND TOTAL (A+B+C)		127.05	-	-

21. Targets for E-linkage activities for 2011-12: Nil

22. Activities planned under Rainwater Harvesting Scheme during 2011-12 (only to those KVKs which are already having scheme under Rain Water Harvesting): Nil

23. Publication of success story / case study planned for 2011-12

S. No	Title of success stories	Proposed date for finalization of documentation	Title of the case study	Proposed date for finalization of documentation
1.	Oyster Mushroom	12.05.2011	-	-
2.	Piggery	17.05.2011	Impact of Duroc Breed in Kodagu	15.05.2011
3.	Processing and Preservation of Passion fruit s	13.05.2011	-	-

24. Technology Week

Particulars	Details
Period of Technology Week Observed during 2010-11	-
Period of Technology Week planned during 2011-12	One week
No. of demonstrations planned to be conducted in KVK Campus to show to the farmers during Technology Week	05
Other activities / Programmes planned in connection with Technology Week	Field Day ,Interface

25. Innovative Farmer's Meet

Particulars	Details
Are you planning for conducting Farm Innovators meet in your district?	Yes
If Yes likely month of the meet	December 2011
Brief action plan in this regard	Technologies related to cost effectiveness in crop production Seminar, Exhibition, Expert Farmers Interface etc...

26. Progressive Farmers List

Particulars	Details
Number of Progressive Farmers address and all details planned to be collected and documented during 2011-12*	100
Likely Date and Month of completion of this work (on or before 30 th June 2011)	15 th June

27. Farmer's Field School planned during 2011-12

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.
1.	Nutrient management	Integrated Crop Management in Chilly	30.000

28. Please give details of activities planned, other than those listed above.

- Systematic planning for celebrating important days
- Interactions, need assessments for training etc. will be undertaken
- Documentation of success stories of Training / Programmes / FLD / OFT
- Implementation of ATMA programmes in the district

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