

ACTION PLAN OF KODAGU KVK FOR THE YEAR 2015-16

1. General information about the Krishi Vigyan Kendra

1.1	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
1.2	Name and address of host organization	: INDIAN INSTITUTE OF HORTICULTURAL RESEARCH (Indian Council of Agricultural Research) Hessaraghatta Lake post, BENGALURU Phone: 080-28466420 / 21, 22, 23 Fax: 080-28466291 e-mail : ihr@ernet.in
1.3	Year of sanction	: 1976
1.4	Website address of KVK and date of last update	: www.kvkkodagu.org

2. Details of staff as on date

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	If Permanent, Please indicate		Date of joining	If Temporary, pl. indicate the consolidated amount paid
				Current Pay Band	Current Grade Pay		
2.1	Programme Coordinator	Dr.Saju George	Agril. Extension	37400- 67000	9000	04.05.2014	-
2.2	Subject Matter Specialist	K. A. Devaiah	Horticulture	15600 -39100	6600	30.11.1993	-
2.3	Subject Matter Specialist	B. Prabhakara	Horticulture	15600 -39100	6600	03.04.2007	-
2.4	Subject Matter Specialist	Veerendra Kumar K.V	Plant Protection	15600 -39100	5400	02.12.2009	-
2.5	Subject Matter Specialist	Dr.Suresh S.C	Livestock	15600 -39100	5400	09.02.2011	-
2.6	Subject Matter Specialist	-	-	-	-	-	-
2.7	Subject Matter Specialist	-	-	-	-	-	-
2.8	Programme Assistant	C .K. Vasantha Kumar	-	9300-34800	4600	06.9.1976	-
2.9	Computer Programmer	M .K .Padmavathy	-	15600 -39100	5400	21.01.1983	-
2.10	Farm Manager	-	-	-	-	-	-
2.11	Accountant/Superintendent	P. C. Ponnamma	-	9300-34800	4600		-
2.12	Stenographer	Mubeen Taj	-	5200-20200	2400	18.04.2011	-
2.13	Driver 1	-	-	-	-	-	-
2.14	Driver 2	-	-	-	-	-	-
2.15	Supporting staff 1	B. N.Janaki	-	4440-7440	2000	25.03.1985	-
2.16	Supporting staff 2	-	-	-	-	-	-

3. Details of SAC meeting conducted during 2014-15 (21st October 2014) and tentative date of SAC meeting conducted: September 2015

Major recommendations	Status of action taken in brief
<ul style="list-style-type: none"> • 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. • 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. • 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. • 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. • 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 • 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. • 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. 	<ul style="list-style-type: none"> • Will be proposed during the coming Action plan 2015-16 • Will be proposed during the coming Action plan 2015-16 • Due care had been taken when the programmes were organized at and off-campus of the KVK during the period • 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. • More than eight programmes were organized during the period and more will be taken up during the current period. • Will be proposed during the coming Action plan 2015-16 • 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)

- 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.
- 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.

4. Capacity Building of KVK Staff

4.1. Plan of Human Resource Development of KVK personnel during 2015-16

S. No	New Areas of Training	Institution proposed to attend	Justification
4.1.1	Advances in Vegetable Production	IIHR	Updating the knowledge and giving proper advisory services
4.1.2	Advances in Fruit Production	IIHR	Updating the knowledge and giving proper advisory services
4.1.3	Advances in Floriculture	IIHR	Updating the knowledge and giving proper advisory services
4.1.4	Advances in Spice Production	IISR	Updating the knowledge and giving proper advisory services

	technologies		
4.15	Multimedia Technology	NAARM	Application in different activities of KVK Programmes
4.16	Advances in Fruit and Vegetable Preservation	IIHR	Knowing advanced technologies
4.17	Rural Women Empowerment	MANAGE	Knowing advanced technologies
4.18	Advances in animal nutrition	NIANP	Knowing advanced technologies

4.2. Cross-learning across KVKs during 2015-16

S. No	Name of the KVK proposed	Specific learning areas
4.2.1	Within ring - KVK, Mysore	Seed village concept
4.2.2	Within the zone - KVK, Namakkal, KVK, Kannur	Public Private Partnerships modules, Value addition, Packaging, Branding and marketing supports
4.2.3	Outside zone - KVK, Baramathi	Dairy technology, value addition and packaging

5. Proposed cluster of KVKs (3 to 5 neighboring KVKs) to be formed for sharing knowledge/expertise, resources and activities during 2015-16

S.No.	Name of the KVKs included in the cluster	What do you intend to share with Cluster KVKs	What do you expect from Cluster KVKs
5.1	KVK, Hassan	Livestock production	Sharing of resources and expertise
5.2	KVK, Mysore	Seed production concept	Sharing of resources and expertise
5.3	KVK, Hirehalli	Vegetable seed production	Sharing of resources and expertise

6. Operational areas details proposed during 2015-16

S.No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
6.1	<ul style="list-style-type: none"> ● Coffee,Pepper,Coorg mandarin, Arecanut,Ginger and Paddy ● Piggery, Backyard poultry, Dairy ● Value addition 	<ul style="list-style-type: none"> ● Low yield in Paddy ● High incidence of Blast disease in Paddy ● Low yield in ginger ● Improper coffee nutrition ● Non availability and high labour wages ● Wilt in Black pepper ● Citrus decline ● Nut cracking in Arecanut ● Incidence of Phytophthora fruit rot in Arecanut ● Poor milk yield and wart problem In milch cows ● Non availability of pepper planting material ● Low yield in Banana ● Lack of awareness on value addition in minor fruit crops 	<p>Forty eight key informants belongs to 6 villages were contacted to identify the most important problems faced in the villages.</p> <ul style="list-style-type: none"> ● Paddy: <i>Recurrent</i> appearance of blast disease (4500 ha) in the selected cluster villages leading low yield (Av. 12-15 q/acre) and incidence of blast disease (30-35%) have been observed. ● Black Pepper: Regular problem of root mealy bugs (12-15%), soil infestation with nematodes and damaging of roots during monsoon made a way for Phytophthora entry into the plants system causing a severe incidence of slow wilt, quick wilt (30-35%) and debility of wines was observed in the fields. ● Value addition: In most of the households, backyard, Coorg mandarin, pineapple, avocado, papaya, passion fruit crops are found . It was told by key informants that nobody does, value addition for its preservation and market to add subsidiary farm income. 	<p>Ponnampet cluster Mayamudi, Kottageri , Balele,Ponnampet, Dhanugala , Nallor, Kiragoor, Kanoor</p>	<ul style="list-style-type: none"> ● OFT (Wilt management in Black Pepper) ● OFT (Ginger varieties assessment) ● OFT(System o planting in Banana var. Nendra) ● Training on IDM in Black pepper ● Training on Impact of Irrigation in Black pepper ● Training on INM practices in Coorg mandarin ● Training on INM in Black pepper ● Training on Value addition in minor fruit crops ● STBNM in Coffee ● Extension Activity (Field visits, method demonstrations, Field days)

6.2	<ul style="list-style-type: none"> ● Paddy, Maize, cowpea ● Vegetables, ● Ginger, Banana ● Dairy, Poultry, Goatary 	<ul style="list-style-type: none"> ● Low yield in paddy, ginger and maize ● Low yield, conventional method of raising vegetable seedlings, incidence of pest/ diseases in vegetables and market price fluctuations. ● Incidence of bacterial wilt and rhizome rot in ginger and market price fluctuations (1800/60 kg). ● Poor bunch weight and incidence of leaf spot disease in robusta and panama wilt in Poovan and market price fluctuations. ● Improper feeding of milch cows, infestation of parasites, poor body weight gain in goats, cows ● Low yield and incidence of pest and diseases in vegetable crops ● Non-utilization of Paddy fallows ● Lack of awareness on various schemes and facilities in the grass root level departments 		<p><u>Kushalnagar cluster</u> Hebbale, Shirangala, Thorenoor, Chickaluvara, Siddalingapura, Doddaluvara, Nallor</p>	<ul style="list-style-type: none"> • OFT on wart mgmt. on milch cows • FLD on Tomato, chilli, cowpea, French beans • FLD on endectoparasites in cows • Training on INN, IPDM in vegetables • Training on pro tray raising of vegetable seedlings • Nutrition mgmt. in cows, goats, poultry birds • Disease mgmt. in cows and poultry • Extension Activity Animal health campaigns, Field visits, method & result demonstrations, Field days, scientist farmers interface programmes, FFS on ICM in Brinjal
6.3	<ul style="list-style-type: none"> ● Coffee, Black pepper, Ginger ● Paddy followed by vegetable cultivation ● Dairy, Piggery, Back yard poultry ● Availability of minor fruit crops ● Bee keeping ● Mushroom cultivation ● Tourism 	<ul style="list-style-type: none"> ● Low yield, lack of knowledge on new variety and incidence of pest and diseases in paddy ● Improper nutrition mgmt. in coffee and black pepper ● Incidence of wilt disease in black pepper ● Lack of awareness on value addition in fruits and vegetables ● Irregular and inconsistent production of mushrooms 		<ul style="list-style-type: none"> • <u>Bhagamandala cluster</u> Cherambane, Begoor, Chikkapulikotu, Doddapulikotu Bettageri, Chettimani 	<ul style="list-style-type: none"> • FLD on vegetables(Tomato, Chilli, brinjal, Beans) • Training on IPDM in Paddy and Black pepper • Training on summer vegetable production • Processing and preservation of fruits and vegetables • Soil and animal health campaigns

7.0 Technology Assessment during 2015-16

7.1 . Assessment of Ginger varieties for high yield

Crop/enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members
Ginger	Low yield	Assessment of Ginger varieties for high yield	Himachal	-	Seed rhizome (only IISR Mahima – New introduction)	25kg	3000	05	15,000	<ul style="list-style-type: none"> No. of tillers/pl % disease incidence Yield B:C 	Devaiah, K. A
			IISR Varada	IISR, Calicut							
			IISR Mahima	IISR, Calicut	IISR Ginger Mix AMC	5 kg 5kg					

7.2 . Assessment of planting system in Nendran Banana for higher yield

Crop/enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members
Banana	Low plant population Leading to poor yield	Assessment of planting system in Nendran Banana for higher yield	Single row planting 1.8x1.8 M (3080 pl.)	KAU, Kerala	-	-	5000	05	25,000	<ul style="list-style-type: none"> Plant height Bunch size Yield B:C 	Prabhakar, B
			Paired row planting (1.2x1.2x2.0 M) 5200 pl/ha	NRC, Trichi	TC plants (on 50% cost sharing basis)	100 no.					
			Two suckers per pit 1.8 x 3.6 M (3200/ha)	NRC Trichi	Banana speical Banana skirt bag cover	5 kg 50 no.					
					TC plants (on 50% cost sharing basis)	100 no. 5 kg 50 no.					

7.3 . Assessment of Foot rot disease management in Black Pepper

Crop/enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost (Rs.)	Parameters to be studied	Team members
Black Pepper	Foot rot disease leading to death of the plants	Assessment of Foot rot disease management in Black Pepper	T-1 : <ul style="list-style-type: none"> Spraying of Bordeaux Mixture 	-	-	-	-	05	19,500	<ul style="list-style-type: none"> % disease incidence Spike length Yield (Q/ha) 	<ul style="list-style-type: none"> Veerendra Kumar
			T-2: <ul style="list-style-type: none"> Spraying of Potassium Phosphonate(3 ml/lit) Drenching of Metalaxyl+ Mancozeb (2 gm/lit) 	IISR Calicut	<ul style="list-style-type: none"> Potassium Phosphonate 	2 lit	1200				
			T-3 : Drenching of Arka Microbial Consortium 20 gm per lit. (5-10 lit. per plant) during June, September, October and December)	IIHR Bangalore	<ul style="list-style-type: none"> Arka Microbial Consortium 	15 kg	1200				
			T-4 : <ul style="list-style-type: none"> Plastic mulching around the base of the vine Pseudomonas application 	UAS Dharwad	<ul style="list-style-type: none"> UV stabilized plastic sheet Pseudomonas 	5 kg 2 kg	1500				

7.4 Assessment of alternative medical approach for treatment of bovine fibropapilloma/Warts and induction of paramunity in Cows.

Crop/enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost (Rs.)	Parameters to be studied	Team members
Dairy	Fibropapilloma/Warts	Assessment of alternative medical approach for treatment of bovine fibropapilloma/Warts and induction of paramunity in Cows.	T-1 : Application of neem oil, aloe vera and turmeric paste	-	-	-	-	-	15500	<ul style="list-style-type: none"> % warts sloughing Milk yield (kg) 	Dr. Suresh
			T-2 : Injecting I/M- Inj. Lithium antimony thiomalate tartarate @ 15ml/cow in 48 hrs interval and repeated for 4-6 times + Inj. Meloxicam @ 15ml/cow + Inj. Chlorpheniramine maleate-15 ml/cow + Inj. Vit.B complex @15ml/ cow	KVAFSU, BIDAR	<ul style="list-style-type: none"> Inj. Lithium antimony thiomalate tartarate Inj. Meloxicam Inj. Chlorpheniramine maleate Inj. Vit.B complex (Remark: *This is Allopathic preparation. ** 50% of vet. Medicine cost is born by Farmers)	50ml x 2bottle 100ml x 2bottle 100ml x 2bottle 100ml x 2bottle	2750	05			
			T-3 : Injecting S/C- I. 1.Inj. Thuja 200x solution @1.5 ml diluted with 1.5ml distilled water on day-1, 2.Inj. Thuja 200x solution @1.5 ml diluted with 1ml distilled water on day-7, 3.Inj. Thuja 200x solution @1.5 ml without dilution on day-21 II. Inj. Levamisole-2ml/cow-one day prior to treatment injected for 3 weeks. This is to boost paramunity.	TANUVAS, CHENNAI	<ul style="list-style-type: none"> Inj. Thuja 200x Inj. Levamisole (Remark: *This is Homeopathic preparation ** 50% of vet. Medicine cost is born by Farmers)	15ml x 1 bottle 30ml x 1bottle	350				

8. Technology Refinement during 2015-16: Nil

9. Frontline Demonstrations during 2015-16

Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology	Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
Cereals (Can be taken under NFSM)	Paddy	Severe pest and disease incidence	IPDM in Paddy	Variety	Intan	DRR Hyderabad	<ul style="list-style-type: none"> Pseudomonus Florescence Pheromone traps Need based insect and fungicide application Seed treatment with SAAF 	1 kg 10 no. 0.5 kg 0.5 lit. 100 gm	2000	10	20000	<ul style="list-style-type: none"> % Pest and disease Incidence Yield B:C 	Veerendra Kumar
Vegetable Crops	Tomato	Incidence of diseases and Low yield	Demonstration of triple disease resistant Tomato variety Arka Rakshak	Hybrid	Arka Rakshak	IIHR, Bengaluru	<ul style="list-style-type: none"> Seeds (farmers contribution) AMC Vegetable special Protrays Polythene mulch (50% farmers contribution) 	5 kg 5 kg 10 no. 20 kg	4250	05	21250	<ul style="list-style-type: none"> Incidence of disease Yield t/ha) B:C 	Prabhakar
	Chilli	Low yield	Demonstration of high yielding Chilli hybrid Arka Meghana	Hybrid	Arka Meghana	IIHR, Bengaluru	<ul style="list-style-type: none"> Seeds (farmers contribution) AMC Vegetable special Protrays Polythene mulch (50% farmers contribution) 	5 kg 5 kg 10 no. 20 kg	4250	05	21250	<ul style="list-style-type: none"> Incidence of disease Yield t/ha) B:C 	Devaiah
	French bean	Low yield	Demonstration of High yielding French bean var. Arka Sharath	Variety	Arka Sharath	IIHR, Bengaluru	<ul style="list-style-type: none"> Seeds (50% farmers contribution) Vegetable speical 	5 kg 2 kg	2000	10	20000	<ul style="list-style-type: none"> No. of pods/pl Yield B:C 	Devaiah

	Yard Long Bean	Low productivity in Paddy	Demonstration of Yard Long Bean var. Arka Mangala in the paddy fallows	Variety	Arka Mangala	IIHR, Bengaluru	• Seeds (New introduction)	1 kg	1000	06	6000	• Length of the pod • Yield • B:C	Prabhakar
Spices	Ginger	Soft rot	Use of PGPR encapsulated bio capsules for management of soft rot disease in Ginger	Variety	Himachal	IISR Calicut	<ul style="list-style-type: none"> PGPR Bio capsules PGPR talc formulation 	5 no. 5 kg	1500	10	15,000	<ul style="list-style-type: none"> % disease incidence Yield (t/ha) 	Veerendra Kumar
	Black pepper	Poor yield and spike drooping	Foliar nutrition in Black Pepper for high yield	Hybrid	Panniyur-1	IISR Calicut	<ul style="list-style-type: none"> Pepper special 	10 kg	1500	13	20,500	<ul style="list-style-type: none"> Spike length Yield (q/ha) 	Prabhakar
Livestock	Dairy	Ectoparasitic infestation	Introduction of effective ectoparasiticide for control of ticks and lice in milch cows	-	-	KVAFSU, BIDAR	<ul style="list-style-type: none"> 1%- Flumethrin Fenbendazole-1.5 g <p>(Remark: * 50% of vet. Medicine cost is born by Farmers)</p>	200ml 2 boli	520	25	13,000	<ul style="list-style-type: none"> % parasitic infestation Health status 	Dr.Suresh
	Dairy	Low calcium level leading to recumbency in cow	Introduction of effective treatment for controlling milk fever in milch cows	-	-	KVAFSU, BIDAR	<ul style="list-style-type: none"> Syp. Calcium magnesium borogluconate Fenbendazole-1.5 g <p>(Remark: * 50% of vet. Medicine cost is born by Farmers)</p>	10L 6 boli	1625	08	13,000	<ul style="list-style-type: none"> % disease incidence Milk yield (kg) Milk Fat % 	Dr.Suresh

10. Training for Farmers/ Farm Women during 2015-16

S.No.	Thematic area	Crop / Enterprise	Major problem	Related field intervention (OFT/FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
10.1	Crop Production	Paddy	<ul style="list-style-type: none"> Poor yield 	<ul style="list-style-type: none"> IPDM in Paddy 	<ul style="list-style-type: none"> Nutrient management in 	02	40	<ul style="list-style-type: none"> Prabhakara.B Veerendra Kumar

			<ul style="list-style-type: none"> Blast disease Leaf roller problem 		<ul style="list-style-type: none"> Paddy ICM in Paddy 			<ul style="list-style-type: none"> Devaiah.K.A Saju George
10.2	Horticulture Production	Banana	<ul style="list-style-type: none"> Poor bunch weight 	<ul style="list-style-type: none"> Assessment on system of planting in Nendran Banana 	<ul style="list-style-type: none"> Integrated Nutrient management in Banana 	02	80	<ul style="list-style-type: none"> Prabhakara.B Devaiah.K.A Saju George
		Ginger	<ul style="list-style-type: none"> Low yield and less dry recovery 	<ul style="list-style-type: none"> Assessment of Ginger varieties for high yield 	<ul style="list-style-type: none"> Production technology of Ginger 	03	75	<ul style="list-style-type: none"> K.A.Devaiah Prabhakara Veerendra Kumar
10.3	Livestock Production	Dairy	<ul style="list-style-type: none"> Ectoparasitic infestation 	<ul style="list-style-type: none"> Introduction of effective ectoparasiticide for control of ticks and lice in milch cows 	<ul style="list-style-type: none"> Introduction of effective ectoparasiticide for control of ticks and lice in milch cows 	02	40	<ul style="list-style-type: none"> Dr.S.C.Suresh Prabhakara.B Saju George
			<ul style="list-style-type: none"> Low calcium level leading to recumbency in cow 	<ul style="list-style-type: none"> Introduction of effective treatment for controlling milk fever in milch cows 	<ul style="list-style-type: none"> effective treatment for controlling milk fever in milch cows 	02	60	<ul style="list-style-type: none"> Dr.S.C.Suresh Prabhakara.B Saju George
10.4	Home Science	Vegetables	<ul style="list-style-type: none"> Un awareness about value addition 	<ul style="list-style-type: none"> Processing and preservation of vegetables 	<ul style="list-style-type: none"> Processing and preservation of vegetables 	10	300	<ul style="list-style-type: none"> Padmavathy
10.5	Plant Protection	Paddy	<ul style="list-style-type: none"> Blast disease and leaf roller 	<ul style="list-style-type: none"> IPDM in Paddy 	<ul style="list-style-type: none"> Integrated Pest Management in Paddy 	02	30	<ul style="list-style-type: none"> Veerendra Kumar Prabhakara Saju George
		Black Pepper	<ul style="list-style-type: none"> Foot rot disease 	<ul style="list-style-type: none"> Assessment of foot rot disease management in Black pepper 	<ul style="list-style-type: none"> Foot rot disease management in Pepper 	03	60	<ul style="list-style-type: none"> Veerendra Kumar Prabhakara

		Ginger	<ul style="list-style-type: none"> ● Soft rot disease problem 	<ul style="list-style-type: none"> ● Demonstration on Use of PGPR encapsulated bio capsules for management of soft rot disease 	<ul style="list-style-type: none"> ● Integrated disease management in Ginger 	03	60	<ul style="list-style-type: none"> ● Veerendra Kumar ● K.A.Devaiah
10.6	Soil Health and Fertility	Arecanut	<ul style="list-style-type: none"> ● Nut splitting and nut drooping 	<ul style="list-style-type: none"> ● Nut splitting management in Arecanut 	<ul style="list-style-type: none"> ● Nut splitting management in Arecanut 	1	30	<ul style="list-style-type: none"> ● Vasantha kumar ● Veerendra Kumar ● Saju George
		Coffee	<ul style="list-style-type: none"> ● Low yield 	-	<ul style="list-style-type: none"> ● Soil test based nutrient application in Coffee 	2	50	<ul style="list-style-type: none"> ● Vasantha kumar ● Veerendra Kumar ● Saju George
		Paddy	<ul style="list-style-type: none"> ● Low yield and Acid soils 	-	<ul style="list-style-type: none"> ● Acid soil management in Paddy 	1	50	<ul style="list-style-type: none"> ● Vasantha Kumar
10.7	PHT and value addition	Minor fruits	<ul style="list-style-type: none"> ● Under utilization of fruits 	-	<ul style="list-style-type: none"> ● Demonstration of preparation of different Jam. Jelly, squashes, pickle 	02	35	<ul style="list-style-type: none"> ● Padmavathy

11. Training for Rural Youth during 2015-16

Sl. No.	Thematic area	Crop / Enterprise	Major problem	Related field intervention (OFT/FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
10.1	Crop Production	Paddy	<ul style="list-style-type: none"> ● Poor yield 	-	<ul style="list-style-type: none"> ● Integrated crop management in Paddy 	1	50	<ul style="list-style-type: none"> ● Prabhakara.B ● Veerendra Kumar ● Devaiah.K.A ● Saju George

10.2	Horticulture Production	Coorg Mandarin	• Poor yield	P	-	• ICM practices in Coorg mandarin	02	50	• Prabhakara.B • Devaiah.K.A • Veerendra Kumar
		Banana	• Poor bunch weight	P	-	• Integrated Nutrient management in Banana	02	50	• Prabhakara.B • Veerendra Kumar • Saju George
		Ginger	• Low yield and less dry recovery	L	Assessment of Ginger varieties for high yield	• Production technology of Ginger	02	20	• K.A.Devaiah • Prabhakara • Veerendra Kumar
10.3	Livestock Production	Piggery	• Poor body weight gain		-	• Scientific Piggery management	3	50	• Dr.S.C.Suresh • Prabhakara.B
		Goatary	• Endectoparasiticides		-	• Scientific goat rearing	01	20	• Dr.S.C.Suresh
10.4	Home Science	Vegetables	Un awareness about value addition		Processing and preservation of vegetables	• Processing and preservation of vegetables	02	30	• Padmavathy
10.5	Plant Protection	Paddy	• Blast disease		-	• Integrated Pest Management in Paddy	01	10	• Veerendra Kumar • Prabhakara • K.A.Devaiah
		Black Pepper	• Foot rot disease	F	Assessment of foot rot disease management in Black pepper	• Foot rot disease management in Pepper	03	45	• Veerendra Kumar • Prabhakara
10.7	Soil Health and Fertility	Arecanut	• Nut splitting and nut drooping	N	-	• Nut splitting management in Arecanut	1	10	• Vasantha Kumar • Veerendra Kumar • Saju George
		Coffee	• Low yield		-	• Soil test based nutrient application in Coffee	1	20	• Vasantha Kumar • Veerendra Kumar
10.8	PHT and	Minor fruits	• Under utilization		-	• Demonstration of	1	30	• Vasantha

	value addition		of fruits		preparation of different Jam. Jelly, squashes, pickle			Kumar • Veerendra Kumar
10.12	Mushroom production	Mushroom production	Poor nutrition	-	• Mushroom cultivation	1	30	• Prabhakara • Veerendra Kumar

12. Training for Extension Personnel during 2015-16

S.No.	Thematic area	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
12.1	Crop Production				
	Integrated Crop management	Integrated crop management in Paddy	02	35	• Saju George • Prabhakara • Veerendra Kumar
12.2	Home Science				
	Value addition	Processing and preservation of minor fruits	02	100	• Padmavathy • Vasantha Kumar
12.3	Capacity Building and Group Dynamics				
12.4	Horticulture				
	Integrated Crop management	Spice production technology	01	50	• Prabhakara • Veerendra Kumar • K.A.Devaiah
12.5	Livestock Production & Management				
	Piggery	Scientific Piggery management	01	50	• Suresh S.C • Prabhakara
12.6	Plant Protection				
	Integrated Pest Management	Integrated Pest and disease management in Horticultural crops	01	35	• Veerendra Kumar • Prabhakara • Saju George

13. Vocational trainings during 2015-16

Sl.No.	Thematic area and the Crop/Enterprise	Training title*	No. of programmes and Duration (days)	Type of Clientele	Expected No. of participants	Sponsoring agency if any	Names of the team members involved
13.1	Home Science	Processing and preservation of minor fruits	3 (3)	SHGs	25	Dept. of Horticulture	• Padmavathy
		Value addition in Horticultural crops	2 (3)	SHGs	30	-	• Padmavathy • Veerendra Kumar • Prabhakara
13.3	Horticulture	Planting material production	2 (3 days)	NYK	30		• K.A.Devaiah • Prabhakara • Saju George
13.4	Livestock Production & Management	Scientific Piggery management	2 (3 days)	SHGs	60	-	• Dr.S.C.Suresh • Prabhakara.B

14. Sponsored trainings during 2015-16

Sl.No.	Thematic area and the Crop/Enterprise	Training title*	No. of programmes and Duration (days)	Type of Participants (SHGs, NYKs, School students, Women, Youth etc.)	Expected number of participants	Sponsoring agency	Names of the team members involved
14.1	Crop Production	Integrated Farming system	2 (3)	SHGs,	02	Department of Agriculture	Prabhakara.B, Devaiah.K.A
14.2	Home Science	Women empowerment	1 (3)	SHGs,	02	Department of Horticulture	Padmavathy, Vasantha Kumar
14.3	Capacity Building	Entrepreneurship	3 (3)	SHGs,	02	Coffee Board	Saju George

	and Group Dynamics	development programmes					Padmavathy, Prabhakara.B Devaiah.K.A
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15. Extension programmes during 2015-16

Sl.No.	Extension Programme/ Activity*	No. of programmes or activities	Expected number of participants	Names of the team members involved
15.1	Advisory Services	550	700	Saju George, Prabhakara, Veerendra Kumar, K.A.Devaiah, Suresh. S.C
15.2	Diagnostic visits	16	22	Saju George, Veerendra Kumar, Prabhakara, K.A.Devaiah, Suresh. S.C
15.3	Field Day	05	250	Saju George, Prabhakara, Veerendra Kumar, K.A.Devaiah, Suresh. S.C
15.4	Group discussions	10	300	Veerendra Kumar, Prabhakara, K.A.Devaiah, Suresh. S.C, Saju George
15.5	Kisan Ghosthi	1	500	Prabhakara, Veerendra Kumar, K.A.Devaiah, Suresh. S.C, Saju George
15.6	Film Show	15	2500	K.A.Devaiah, Prabhakara, Veerendra Kumar, Suresh. S.C
15.7	Self -help groups	2	40	Prabhakara, K.A.Devaiah, Suresh. S.C,
15.8	Kisan Mela	1	500	Saju George, K.A.Devaiah, Prabhakara, Veerendra Kumar, Suresh. S.C,
15.9	Exhibition	3	1000	Prabhakara, Veerendra Kumar, K.A.Devaiah, Suresh. S.C
15.10	Scientists' visit to farmers field	200	1000	Prabhakara, Veerendra Kumar, K.A.Devaiah, Suresh.
15.11	Plant/Soil health/Animal health camps	20	1200	Suresh. S.C, Vasantha kumar
15.12	Farm Science Club	-	-	Prabhakara, Veerendra Kumar, K.A.Devaiah, Suresh. S.C

15.13	Ex-trainees Sammelan	1	50	Saju George, Prabhakara, Veerendra Kumar, K.A.Devaiah, Suresh. S.C,
15.14	Farmers' seminar/workshop	10	500	Saju George, Prabhakara, Veerendra Kumar, K.A.Devaiah, Suresh.
15.15	Method Demonstrations	25	500	Prabhakara, Veerendra Kumar, Suresh. S.C,
15.16	Celebration of important days	5	250	Saju George, Veerendra Kumar, K.A.Devaiah, Suresh. S.C,
15.17	Special day celebration	3	150	Saju George, Veerendra Kumar, K.A.Devaiah, Suresh. S.C,
15.18	Exposure visits	2	60	Prabhakara, Veerendra Kumar, K.A.Devaiah, Suresh. S.C
15.19	Technology week,	1	500	Saju George, Prabhakara, Veerendra Kumar, K.A.Devaiah, Suresh. S.C,
15.20	FFS	1	30	Prabhakara, Veerendra Kumar, K.A.Devaiah
15.21	Farm innovators meet	1	500	Saju George, Prabhakara, Veerendra Kumar, K.A.Devaiah,
15.22	Awareness programmes	3	150	Prabhakara, K.A.Devaiah, Suresh. S.C,

16. Activities proposed as Knowledge and Resource Centre during 2015-16

16.1 Technological knowledge

Sl.No.	Category	Details of technologies	Area (ha)/ Number	Names of the team members involved
16.1.1	Technology Park/ Crop cafeteria	Coffee, Pepper, Banana, Papaya, Coorg mandarin and Fruits crops	30	Devaiah.K.A, Saju George, Prabhakara.B, Veerendra Kumar, Vasantha Kumar, Padmavathy.M.K
16.1.2	Demonstration Units	Coffee based cropping system, Banana, Papaya, Coorg Mandarin Piggery and Goatary,	35.0	Devaiah.K.A, Saju George, Prabhakara.B, Veerendra Kumar, Vasantha Kumar, Padmavathy.M.K
16.1.3	Lab Analytical services	Soil testing	-	Saju George, Devaiah.K.A, Prabhakara.B, Veerendra Kumar, Vasantha Kumar
16.1.4	Technology Week	Integrated Farming System	-	Saju George, Devaiah.K.A, Prabhakara.B, Veerendra Kumar, Vasantha Kumar, Padmavathy.M.K

16.2 Technological Products

Category	Name of the Production Partner Agency	Name of the product	Quantity (q)/ Number planned to be produced	Names of the team members involved
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		during 2014-15		
Seeds	-	French Bean	100 kg	Devaiah.K.A, Saju George
		Yard Long Bean	50 kg	Devaiah.K.A, Saju George
		Brinjal	5 kg	Devaiah.K.A, Saju George
Planting materials	-	Coffee	20000	Devaiah.K.A, Saju George
		Arecanut	4000	Devaiah.K.A, Saju George
		Pepper	15000	Devaiah.K.A, Saju George
Mushroom Spawn	-	Oyster Spawn production	2000 kg	Veerendra Kumar and Prabhakar
Biofertilizer	-	Arka Microbial Consortium	5.0 ton	Saju George, Veerendra Kumar and Prabhakar
Livestock strains	-	Duroc Piglets	80	Dr.S.C.Suresh, Devaiah.K.A
		Malabari goats	10	Dr.S.C.Suresh, Devaiah.K.A
		Sirohi goats	10	Dr.S.C.Suresh
Fodder slips		Hybrid Napier CO-3,CO-4 and NB-21	25000	Dr.S.C.Suresh

16.3 Technological Information

Category	Technological capsules / Number	Names of the team members involved
Technology backstopping to line departments		
Agriculture	New varieties of Paddy IPDM practices	Prabhakara.B, Devaiah.K.A Veerendra Kumar, Saju George
Horticulture	ICM in Pepper	Prabhakara.B, Devaiah.K.A Veerendra Kumar, Saju George
Animal Husbandry	Duroc Piggery	Dr.S.C.Suresh,, Devaiah.K.A
Literature/publication		
Folder	AMC a potential bio control agent	Veerendra Kumar, Saju George
	Serpentine method of pepper multiplication	Prabhakar, Saju George
	Kitchen gardening	Dr.S.C.Suresh
	Value addition of minor fruit crops	Padmavathy.M.K
Electronic Media		
TV Programme	Use of AMC in Pepper cultivation	Prabhakara.B

	Vegetable cultivation	Devaiah.K.A
	Oyster mushroom cultivation	Vasantha Kumar
	Foot rot disease management in Black pepper	Veerendra Kumar
	Dairy farming	Dr.S.C.Suresh
Radio Programme	IPDM in Paddy	Prabhakara.B
	Summer vegetable cultivation	Devaiah.K.A
	IFS	Devaiah.K.A
	Quick wilt disease management in Pepper	Veerendra Kumar
	Koleroga Management in Arecanut	Veerendra Kumar
	Poultry farming	Dr.S.C.Suresh
Kisan Mobile Advisory Services	3000	Veerendra Kumar, Devaiah.K.A , Prabhakara.B, S.C. Suresh
Information on centre/state sector schemes and service providers in the district.	September 2015	Devaiah.K.A , Prabhakara.B Veerendra Kumar, S.C. Suresh

17. Additional Activities Planned during 2015-16

S.No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
17.1	National Horticulture Mission	Mushroom Spawn production unit	Production of mushroom spawn	Rs.15,00,00/-	Veerendra Kumar, Prabhakara.B K.A. Devaiah
17.2	National Bank for Agriculture and Rural Development (NABARD)	Production of Arka Microbial Consortium production Unit	Production of Arka Microbial Consortium production	Rs.5,00,000/-	Dr.Saju George and Veerendra Kumar,

18. Revolving Fund

18.1 Financial status

Opening balance as on April 2014 (Rs.in Lakh)	Expenditure incurred during 2014-15 (Rs.in Lakh)	Receipts during	Closing balance as on Feb 2015 (Rs.in Lakh)	Expected closing balance by 31.03.2015 (Including value of
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		2014-15 (Rs.in Lakh)		material in stock/ likely to be produced)
28.73	14.66	14.75	28.82	39.00

18.2 Plan of activities under Revolving Fund

S.No.	Proposed activities	Expected output	Anticipated income (Rs.)	Names of the team members involved
18.2.1	Planting material production	39500 no.	300000	Devaiah.K.A, Saju George, Veerendra Kumar
18.2.2	Seed production	60 kg	50000	Devaiah.K.A, Saju George, Prabhakara.B,
18.2.3	Livestock production	105 piglets 12 goat kids	200000	Suresh S.C, Devaiah.K.A
18.2.4	Spawn production	2000 kg	160000	Veerendra Kumar
18.2.5	Arka Microbial Consortium production	5.0 ton	400000	Veerendra Kumar, Saju George and Prabhakara
18.2.4	Fodder root slips	12000	10000	Suresh S.C, Devaiah.K.A

19. Activities of soil, water and plant testing laboratory during 2015-16

Sl.No.	Type	No. of samples to be analyzed	Names of the team members involved
19.1	Soil	500	Vasanth Kumar, Saju George, Prabhakara, K.A.Devaiah and

20. E-linkage during 2015-16 Nil

21. Activities planned under Rainwater Harvesting Scheme - Nil

22. Innovator Farmer's Meet

Sl.No.	Particulars	Details
22.1	Are you planning for conducting Farm Innovators meet in your district?	Yes
22.2	If Yes likely month of the meet	December 2015
22.3	Brief action plan in this regard	Technologies related to cost effectiveness in crop production Seminar, Exhibition, Expert Farmers Interface etc...

23. Farmers Field School (FFS) planned

Action Plan -2015-16, ICAR-Krishi Vigyan Kendra, Gonikoppal

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.
23.1	Integrated Crop Management	Integrated Crop Management in Brinjal	30000

24. Budget - Details of budget utilization (2013-14) upto 28th February 2015

(Rs. In Lakh)				
S. No.	Particulars	Sanctioned	Released	Expenditure
24.1	Recurring Contingencies			
24.1.1	Pay & Allowances	70.00	56.34	67.32
24.1.2	Traveling allowances	0.93		1.07(-)
24.1.3	Contingencies			
24.1.4.	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance	0.57		1.58(-)
1				
B	POL, repair of vehicles, tractor and equipments	0.50		1.57(-)
C	Meals/refreshment for trainees	0.40		0.71(-)
D	Training material	0.40		0.75(-)
E	Frontline demonstration except oilseeds and pulses	1.75		1.52
F	On farm testing	0.88		0.85
G	Training of extension functionaries	0.10		0.23(-)
H	Maintenance of buildings	0.10		0.45(-)
I	IFS	0.10		0.5(-)
J	Library	0.00		0.02(-)
K	Extension activities	0.10		0.24(-)
l	Farmers Field School	0.10		0.04
24.1	Total Recurring	75.93		76.85
24.2	Non-Recurring Contingencies			
24.2.1	Works	-		-
24.2.2	Equipments including SWTL & Furniture	-		-
24.2.3	Vehicle (Four wheeler/Two wheeler, please specify)	-		-
24.2.4	Library	-		-
24.2	Total Non Recurring	-		-
24.3	REVOLVING FUND			
24.4	GRAND TOTAL (A+B+C)	75.93	56.34	76.85

25. Details of Budget Estimate (2015-16) based on proposed action plan

S. No.	Particulars	BE 2015-16 proposed (Rs.)
25.1	Recurring Contingencies	
25.1.1	Pay & Allowances	90.47
25.1.2	Traveling allowances	2.00
25.1.3	Contingencies	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	3.00
B	POL, repair of vehicles, tractor and equipments	3.00
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1.50
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	2.00
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)	0.75
G	Training of extension functionaries	0.50
H	Maintenance of buildings	1.50
I	Establishment of Soil, Plant & Water Testing Laboratory	00.0
J	Library	0.50
K	Extension activities	2.00
l	Farmers Field School	0.30
25.1	TOTAL Recurring Contingencies	16.55
25.2	Non-Recurring Contingencies	
25.2.1	Works	18.50
25.2.2	Equipments including SWTL & Furniture	9.25
25.2.3	Vehicle (Four wheeler/Two wheeler, please specify)	10.00
25.2.4	Library (Purchase of assets like books & journals)	0.25
25.2	TOTAL Non-Recurring Contingencies	38.00
25.3	REVOLVING FUND	-
25.4	GRAND TOTAL	147.02

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