

ACTION PLAN OF KODAGU KVK FOR THE YEAR 2016-17

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	-	-	-	-	-	-
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: August 2016

Major recommendations	Status of action taken in brief
Dr. B. T Rayadu, Principal Scientist, ZPD, Bengaluru suggested to take up assessment of paired row system of planting in Nendran varieties to increase the production and productivity in the district	Five trials has been initiated during the period of report.
Dr. V.V. Sulladmath, Principal Scientist, IIHR, Bengaluru suggested to take up OFT in Ginger with few more varieties, apart from the IISR Varada, to find out the best variety for the benefit of the district farmers	Two trials of IISR Mahima has been initiated during the period of report.
Dr. P. C. Tripathi, Principal Scientist and Head, CHES,Chettalli suggested to include the expertise and technologies available in CHES, Chettalli.	Participated in various field days and TSP programme implementation. The technological inputs has been taken for implementation of FLD on Coorg mandarin and Minor fruit crops.
Dr. Arun Balamatti, Programme Coordinator, JSS KVK, Suttur and Mr. Suju Karumbiah, Official member of SAC suggested taking up interventions on alternate cropping pattern for paddy fallow lands.	Ten demonstrations of recently released IIHR vegetables crops/varieties/hybrids have been taken up and related training programmes and field day was conducted
Mr. M. C. Nanaiah, DDM, NABARD requested collaboration in soil health campaigns in the district.	Could not materialize during the period since the soil scientist post is vacant.
Mr. K. P. Subbiah, Progressive farmer, Srimangala suggested to provide a discussion forum at the KVK for the young farmers of the district	KVK initiated Scientist-Farmers Whatsapp group for effective addressing field problems.
Dr. Joji Mathew, Asstt. Director, Spices Board requested to organize training programmes on spices and involve in extension activity programmes of KVK	Spices Board actively participated in the Kharif Sammelan on 15.09.2015 and training programme sponsored by Spices board was held at KVK on 30.12.2015
Mr. Srinivas, Assistant Director, AIR requested the KVK specialists to participate in the recording and live in programmes at regular interval as resource persons.	KVK personnel actively participated in 14 programmes on different aspects of crop and livestock production and its management.
Dr. Ramesh, Veterinary Officer requested to participate in the departmental extension activities	SMS livestock actively involved in the animal health camps and world veterinary day celebration apart

Mr. Vinod, AO, SKDRDP requested for active participation in the various events organized by SKDRDP in the district.	from training programmes of Dept. of AH and VS. All SMS actively involved in the training programmes, Krishi Utsav and Seminars. SKDRDP extended its support in successful conduct of Kharif sammelan held in the KVK.
Mr. K. Arun, Progressive Farmer, T. Shettigeri suggested to conduct more number of Integrated Farming System(IFS) model demonstrations and 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. Mr. Lalappa, Progressive Farmer cum organic practitioner, Hudikeri opined the same	Three IFS units have been supported by the KVK for demonstration of various crop and animal enterprises. From this year onwards ATARI has stopped funding for IFS units due to budget constraints.
Mrs. Leelavathy, Assistant, Department of Women and Child Development, requested to organize more number of training programmes on processing and preservation of fruit and vegetables.	Fifteen training programmes were organized involving different SHGs.
Mrs. V. Deergakeshi Shivanna, Official member, SAC suggested to explore the possibilities for linking of market intelligence to the website of KVK.	KVK website has been linked for supportive market intelligence website.

4. Capacity Building of KVK Staff

4.1. Plan of Human Resource Development of KVK personnel during 2016-17

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 technologies	IISR	Updating the knowledge and giving proper advisory services
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 2016-17

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, 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 2016-17

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 2016-17

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, Hudikeri</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, Chickaluvura, Siddalingapura, Doddaluvura, 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 2016-17

7.1 . Assessment of Pro tray raised seedlings and its field performance in Ginger (Continue 2nd year)

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	High seed rate and cost, non availability of disease free planting material of newly released high yielding varieties	Assessment of Pro tray raised seedlings and its field performance in Ginger	Himachal	-	IISR Mahima IISR Varada IISR Ginger Mix Pro trays Coir pith Vermicompost AMC Mancozeb Quinolphos	50 kg 50 kg 5 kg 50 no. 50 kg 50 kg 1 kg 250 g 250 ml	Rs.7400	05	Rs.37000	<ul style="list-style-type: none"> Quantity Seed rhizome required and its costs Percent of mortality in the main field, Pl. height, No. of suckers /pl, Fresh yield (t/ha) and B:C 	Devaiah Veerendra Kumar Prabhakara
			IISR Varada	IISR, Calicut							
			IISR Mahima	IISR, Calicut							

7.2 . Assessment of planting system in Nendran Banana for higher yield (Continue 2nd year)

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 poor acceptance and shelf life	Assessment of planting system in Nendran Banana for higher yield	Single row planting 1.8x1.8 M (3080 pl.)	KAU, Kerala	T C Banana plantlets Banana Special	100 no. 4 kg	4000	05	20000	<ul style="list-style-type: none"> Plant height Bunch size Yield B:C 	Prabhakara Devaiah Veerendra Kumar
			Paired row planting (1.2x1.2x2.0 M) 5200 pl/ha	NRC, Trichi							
			Two suckers per pit 1.8 x 3.6 M (3200/ha)	NRC Trichi							

7.3 . Assessment of Foot rot disease management in Black Pepper (Continue 2nd year)

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 	-	-	-	6000	05	30000	<ul style="list-style-type: none"> % disease incidence Spike length Yield (q/ha) 	<ul style="list-style-type: none"> Veerendra Kumar Prabhakara
			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 Drenching of Metalaxyl+ Mancozeb (2 gm/lit) 	2 lit 0.5 kg					
			T-3 : <ul style="list-style-type: none"> Mulching of UV stabilized plastic sheet around the base of the vine Drenching of <i>Pseudomonas florescence</i> 	UAS Dharwad	<ul style="list-style-type: none"> UV stabilized plastic sheet <i>Trichoderma</i> 	5 kg 5 kg					
			T-4 : <ul style="list-style-type: none"> Drenching of Arka Microbial Consortium 20 gm per lit. (5-10 lit. per plant) during June, September and December) 	IIHR Bengaluru	<ul style="list-style-type: none"> Arka Microbial Consortium 	20 kg					

**7.4 Assessment of alterative medical approach for treatment of bovine fibropapilloma/Warts and induction of paramunity in Cows.
(Continue 2nd year)**

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 alterative 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. Chlorpheneramine 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. Chlorpheneramine 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 1 bottle	350				

8. Technology Refinement during 2016-17: Nil

9. Frontline Demonstrations during 2016-17

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	Paddy	Low yield and susceptibility to Blast disease	Demonstration of High Yielding and blast resistant Paddy var. KPR-1	Variety	KPR-1	UAHS Shivamogga	<ul style="list-style-type: none"> • KPR-1 • Tricyclozole 	25 kg 300 gm	1520	10	15200	<ul style="list-style-type: none"> • Percent blast disease incidence • Yield (Q/ha) • B:C 	Veerendra Kumar
Vegetable Crops	Chilli	Low yield	Demonstration of high yielding Chilli hybrid Arka Meghana	Hybrid	Arka Meghana	IIHR, Bengaluru	<ul style="list-style-type: none"> • Chilli seeds Arka Meghana • Arka Microbial Consortium • IIHR Vegetable special • Pro trays 	30 g 2 kg 2 kg 10 no.	1830	05	9150	<ul style="list-style-type: none"> • % disease incidence, Yield: kg/pl, Yield (q/ha) and 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 • Vegetable special • AMC 	10 kg 5 kg 5 kg	3700	05	18500	<ul style="list-style-type: none"> • Yield t/ha • B:C 	Devaiah
	Yard Long Bean	Low productivity in Paddy	Introduction of high yielding IIHR Yard Long bean variety Arka Mangala	Variety	Arka Mangala	IIHR, Bengaluru	<ul style="list-style-type: none"> • Seeds • Arka Microbial Consortium 	1 kg 5 kg	1450	10	14500	<ul style="list-style-type: none"> • Length of the pod • Yield • B:C 	Prabhakara
Spices	Black pepper	Yellowing	Management of Yellowing in Black Pepper	Hybrid	Panniyur-1	IISR Calicut	<ul style="list-style-type: none"> • Phorate • Chloropyriphos • Microbial Consortium 	2 kg 4 lit. 10 kg	2600	10	26000	<ul style="list-style-type: none"> • % yellowing • Spike length (cm) • Yield (t/ha) 	Veerendra Kumar
		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	2500	10	25000	<ul style="list-style-type: none"> • Spike length • Yield (q/ha) 	Prabhakara

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	800	25	20000	<ul style="list-style-type: none"> % parasitic infestation Health status 	Dr.Suresh
	Fodder	Lack of quality green fodder	Demonstration of Fodder grass Sampoorna (DHN-6)	Variety	Sampoorna (DHN-6)	UAS Dharwad	Sampoorna (DHN-6) root slips	10000	1000	10	10000	<ul style="list-style-type: none"> Yield t/ha, Animal body condition score(BCS) 	Dr.Suresh
Fisheries	Fisheries	Non utilization of Farm ponds	Composite Fish Culture in IFS plot	-	-	KVAFSU Bidar	Catla Roghu Mogur	4000 3000 3000	3666	03	11000	<ul style="list-style-type: none"> Growth at monthly interval Body weight(kg), B:C 	Dr.Suresh

10. Training for Farmers/ Farm Women during 2016-17

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 Blast disease Leaf roller problem 	<ul style="list-style-type: none"> IPDM in Paddy 	<ul style="list-style-type: none"> Nutrient management in Paddy ICM in Paddy 	02	40	<ul style="list-style-type: none"> Prabhakara.B Veerendra Kumar 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	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"> ● Veerendra Kumar ● Saju George

		Paddy	• Low yield and Acid soils	-	• Acid soil management in Paddy	1	50	•
10.7	PHT and value addition	Minor fruits	• Under utilization of fruits	-	• preparation of different Jam. Jelly, squashes	02	35	• Padmavathy

11. Training for Rural Youth during 2016-17

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	• Poor yield	-	• Integrated crop management in Paddy	1	50	• Prabhakara.B • Veerendra Kumar • Devaiah.K.A • Saju George
10.2	Horticulture Production	Coorg Mandarin	• Poor yield	-	• ICM practices in Coorg mandarin	02	50	• Prabhakara.B • Devaiah.K.A • Veerendra Kumar
		Banana	• Poor bunch weight	-	• Integrated Nutrient management in Banana	02	50	• Prabhakara.B • Veerendra Kumar • Saju George
		Ginger	• Low yield and less dry recovery	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	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	-	• Nut splitting management in Arecanut	1	10	• Veerendra Kumar • Saju George
		Coffee	• Low yield	-	• Soil test based nutrient application in Coffee	1	20	• Veerendra Kumar
10.8	PHT and value addition	Minor fruits	• Under utilization of fruits	-	• Demonstration of preparation of different Jam, Jelly, squashes, pickle	1	30	• Veerendra Kumar
10.12	Mushroom production	Mushroom production	Poor nutrition	-	• Mushroom cultivation	1	30	• Prabhakara • Veerendra Kumar

12. Training for Extension Personnel during 2016-17

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
12.3	Capacity Building and Group Dynamics				
12.4	Horticulture				
	Integrated Crop management	Spice production technology	01	50	• Prabhakara

						• Veerendra Kumar
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 2016-17

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 2016-17

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	Prabhakara.B,

14.2	Home Science	Women empowerment	1 (3)	SHGs,	02	Agriculture Department of Horticulture	Devaiah.K.A Padmavathy
14.3	Capacity Building and Group Dynamics	Entrepreneurship development programmes	3 (3)	SHGs,	02	Coffee Board	Saju George Padmavathy, Prabhakara.B Devaiah.K.A

15. Extension programmes during 2016-17

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
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 2016-17

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,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 ,Padmavathy.M.K
16.1.3	Lab Analytical services	Soil testing	-	Saju George, Devaiah.K.A, Prabhakara.B, Veerendra Kumar
16.1.4	Technology Week	Integrated Farming System	-	Saju George, Devaiah.K.A, Prabhakara.B, Veerendra 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 during 2014-15	Names of the team members involved
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	Veerendra Kumar
	Vegetable cultivation	Devaiah.K.A
	Oyster mushroom cultivation	Prabhakar

	Foot rot disease management in Black pepper	Veerendra Kumar
	Dairy farming	Dr.S.C.Suresh
Radio Programme	IPDM in Paddy	Veerendra Kumar
	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 2016	Devaiah.K.A , Prabhakara.B Veerendra Kumar, S.C. Suresh

17. Additional Activities Planned during 2016-17

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					
17.2					

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 2014-15 (Rs.in Lakh)	Closing balance as on Feb 2015 (Rs.in Lakh)	Expected closing balance by 31.03.2015 (Including value of 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 2016-17

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

20. E-linkage during 2016-17 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 2016
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

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.
23.1			

24. Budget - Details of budget utilization (2013-14)

(Rs. In Lakh)				
S. No.	Particulars	Sanctioned	Released	Expenditure
24.1	Recurring Contingencies		75.10	
24.1.1	Pay & Allowances	93.65		65.35
24.1.2	Traveling allowances	1.00		0.67
24.1.3	Contingencies			
24.1.4.	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and			
1	library maintenance	1.00		1.39
B	POL, repair of vehicles, tractor and equipments	1.00		0.97
C	Meals/refreshment for trainees	0.50		0.39
D	Training material	0.25		0.21
E	Frontline demonstration except oilseeds and pulses	0.50		1.48
F	On farm testing	0.75		0.72
G	Training of extension functionaries	-		00
H	Maintenance of buildings	-		00
I	NFSM FLD	0.60		0.35
J	Library	0.05		0.02
K	Extension activities	0.50		0.43
I	Farmers Field School	00		00
24.1	Total Recurring	100.80		71.98
24.2	Non-Recurring Contingencies			
24.2.1	Works	5.00		0.64
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)	105.80		

25. Details of Budget Estimate (2016-17) based on proposed action plan

S. No.	Particulars	BE 2016-17 proposed (Rs.)
25.1	Recurring Contingencies	
25.1.1	Pay & Allowances	148.00
25.1.2	Traveling allowances	3.00
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)	1.49
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	1.02
G	Training of extension functionaries	1.00
H	Maintenance of buildings	2.00
I	Establishment of Soil, Plant & Water Testing Laboratory	1.00
J	Library	0.10
K	Extension activities	0.50
l	Farmers Field School	00
25.1	TOTAL Recurring Contingencies	16.61
25.2	Non-Recurring Contingencies	
25.2.1	Works	5.50
25.2.2	Equipments including SWTL & Furniture	
25.2.3	Vehicle (Four wheeler)	10.00
25.2.4	Library (Purchase of assets like books & journals)	
25.2	TOTAL Non-Recurring Contingencies	15.50
25.3	REVOLVING FUND	00
25.4	GRAND TOTAL	183.11

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