



University of Agricultural Sciences, Dharwad
ICAR-Krishi Vigyan Kendra, Uttara Kananda, Sirsi



Action Plan 2017-18

Programme Co-ordinator
KVK,Uttara Kannada, Sirsi

ICAR-Agricultural Technology Application Research Institute, BANGALORE

ACTION PLAN OF KRISHI VIGYAN KENDRA, UTTARA KANNADA 2017-18

1. General information about the KrishiVigyan Kendra

1.1	Name and address of KVK with Phone, Fax and e-mail	:	Uttara Kannada Phone/Fax : 08384-228411, Email id: kvkuks@gmail.com
1.2	Name and address of host organization	:	University of Agricultural Sciences, Dharwad Krishi Nagar, Dharwad
1.3	Year of sanction	:	2004
1.4	Website address of KVK and date of last update		www.kvkuttarkannada.org

2. Details of staff as on date

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	If Permanent, Please indicate			If Temporary, pl. indicate the consolidated amount paid (Rs./month)
				Current Pay Band	Current Grade Pay	Date of joining	
2.1	Programme Coordinator	Dr. Manjappa K.	Agronomy	37400-67000	10000	02.03.2015	P
2.2	Scientist	Dr. Roopa S.Patil	Ag. Entomology	15600-39100	7000	03.12.2008	P
2.3	Scientist	Sri. Shivashenkaramurthy.M	Agronomy	15600-39100	6000	28.11.2011	P
2.4	Scientist	Dr. Akkamahadevi D.A	Horticulture	15600-39100	6000	14.12.2012	P
2.5	Scientist	Shri. Venkatesh L	Agroforestry	15600-39100	6000	05.05.2016	P
2.6	Scientist	Dr. Shweta Biradar	Home Science	15600-39100	6000	17.02.2017	P
2.7	Scientist	Vacant	Animal Science				
2.8	Programme Assistant	Sri.Siddappa Kannur	Agroforestry	9300-34800	4200	02.08.2013	P
2.9	Computer Programmer	Smt. Annapurna F Neeralgi	Computer	9300-34800	4200	29.03.2010	P
2.10	Farm Manager	Dr. Praveen T Goroji	Farm Manager	9300-34800	4200	13.11.2008	P
2.11	Accountant / Superintendent	Smt. Sumalatha S P	Assistant	16000-29600		05.09.2015	P
2.12	Stenographer	Miss. Purnima K Hirehal	Typist	16000-29600		12.11.2009	P
2.13	Driver 1	Sri. Santaosh Naik	Driver (LV)	11600-21000		16.04.2015	P
2.14	Driver 2	Vacant					
2.15	Supporting staff 1	Sri. Hazarat A Nadaf	Asst. Cook cum Caretaker	10400-16400		02.08.2007	P
2.16	Supporting staff 2	Vacant					

3. Details of SAC meeting conducted during 2016-17

Sl. No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC meeting proposed during 2017-18
3.1	10.06.2016	KVK News Letter should be published on time incorporating technical information. Should be sent to all the registered farmers and also the farmers who visit the kvk.	Is being done	July-2017
		Information on Custom Hiring centres established through Yantradhare Programme should be given to farmers	The information is given to farmers during training programmes and other extension activities.	
		Awareness regarding rain water harvest and judicial use of water should be created among farming community.	A seminar on rain water harvest and judicial use of water was organized in Madhuravalli village of Sirsi Tq. Also information was disseminated through training programmes and guest lectures.	
		Information about exact requirement of water and fertilizer for plants need to be prepared and should be given to farmers.	The information is given to the farmers.	
		Technology on organic paddy cultivation developed by KVK, Sirsi is to given to farmers through Traditional Agriculture Programmes by KSDA	The complete package of organic paddy cultivation technology is given to KSDA official during Bimonthly Workshop and to farmers during trainings.	
		Training programmes on Value addition of Banana should be organized in collaboration with COH, Sirsi	Will be taken up.	
		NABARD is sponsoring FPOs in Siddapur and Banavasi blocks , KVK should strengthen these FPO with technical backstopping and information.	Visits are made to FPO at Banavasi, need based technical guidelines are being given.	
		As KVK has completed 19 years, proposal for the Best KVK Award should be sent.	Under Process	
		Group of landless youths should be formed and encourage to take up Paddy Transplanting through Machine as an enterprise following the example of KVK, Mallapuram.	Two youth groups are encouraged to take up this venture.	
		The performance of SWTL is good, actions may be taken to make it better.	AAS is established for analyzing micronutrients.	
		Quality seed production programme of paddy should be taken up under RF	Seed production of Paddy (Foundation, Breeder, TL) of Abhilash, Intan are taken up in Instructional Farm during Kharif.	
		Cardmom wilt is a major disease , KVK should provide information on suitable control measures.	The information is given to farmers through trainings, diagnostic visits.	

4. Capacity Building of KVK Staff

4.1. Plan of Human Resource Development of KVK personnel during 2017-18

S. No	New Areas of Training	Institution proposed to attend	Justification
4.1.1	Vertebrate pest management	NIPHM, Hyderabad	Rodents and other wild animals are inflicting heavy damage to paddy, coconut, cocoa etc. There is an urgent need to tackle these vertebrate pest problems
4.1.2	Lac – Production and processing techniques	IINRG, Ranchi	Since lac cultivation is gaining importance in Uttar Kannada, there is an urgent requirement of primary processing.
4.1.3	Project planning and management in agriculture	MANAGE, Hyderabad	Proper identification and formulation of agricultural projects is need of the hour. Also develops competence required for effective and efficient administration of agricultural projects
4.1.4	Forestry and Agroforestry	IWST, NARM, UASB	To acquire knowledge and new technology
4.1.5	Value enhancement of Jackfruit	CARD KVK Pattanamtitta	Value enhancement of underutilized fruit

4.2. Cross-learning across KVKs during 2017-18

S. No	Name of the KVK proposed	Specific learning areas
4.2.1	Within ring – Gadag, Udupi, Dharwad, Bidar	Formation of commodity groups, Post harvest and value addition, technical knowledge on horticulture crops, nursery techniques and demonstration units, pulse seed production
4.2.2	Within the zone – Upasi KVK Cunoor, CPCRI KVK, Kasargod, Goa, Mallapuram	Home made chocolates Value addition to coconut, Agri eco tourism, Formation of Paddy task Force
4.2.3	Outside zone - Ahmednagar	ICT
4.2.4	Outside zone - Kudal	Kokum processing

5. Proposed cluster of KVKs (3 to 5 neighboring KVKs) to be formed for sharing knowledge/expertise, resources and activities during 2017-18

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	Shivamogga	Sharing of technology capsules, Products	Sharing of technology capsules, Products
5.2	Udupi	Sharing of technology capsules, Products	Sharing of technology capsules, Products
5.3	Dharwad	Sharing of technology capsules, Products	Planting Materials

6. Operational areas details proposed during 2017-18

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	Paddy	<ul style="list-style-type: none"> Poor soil fertility Blast incidence Leaf folder, stem borer, BPH & ear head bug infestations. Moisture Stress during summer. 	65,000 ha 23,000 ha 30,000ha 20,000 ha	Cluster: Sirsi Villages: Achanalli, Narebail, Dodnalli	FLD, OFT, Training Programmes, Official-Scientist-Farmers Interaction, Field Visits, , Method Demonstrations and Field Day
6.2	Maize	<ul style="list-style-type: none"> Low yield Poor soil fertility Weeds Stem borer Leaf Blight 	3000 ha 2500ha 2000 ha 500 ha 50 ha	Cluster : Sambrani Villages : Sambrani, Shivapur,Mundwad	FLD, Training Programmes, Health camp, Field Visits and Field Day.
6.3	Groundnut	<ul style="list-style-type: none"> Low yield Poor peg penetration Spodoptera , leaf miner, collar rot 	2000 ha 650 ha 250 ha	Cluster : Agasur Villages: Agasuru, Hosagadde	FLD, Training Programmes, Method demonstrations, Field Day, Field Visits.
6.4	Sugarcane	<ul style="list-style-type: none"> Poor tillers Lesser Cane weight Low yield 	3200 ha 3200 ha 3200 ha	Cluster: Sambrani Villages : Sambrani , Shivapur,	OFT, Trainings, Method demonstration, Field visit, Field day, Farmers Scientis Interaction s.
6.5	Areca nut	Low yield & lack of alternate trees Nut drop nut splitting and root grub	1000 ha	Cluster : Banavasi Villages : Bennur,Arashi, Shindhi Cluster :Manchikeri Villages : Manchikeri , Hitlalli,Hasanag	OFT, FLD, Trainings, Method Demonstrations
6.6	Ginger	<ul style="list-style-type: none"> Rhizome rot disease Sheath blight Poor yield 	30 ha	Cluster: : Malagi Villages : Kalakoppa Cluster : Banavasi Villages : Banavasi	FLD, Training Programmes, Method demonstrations, Field Day, Field Visits
6.7	Bhendi	<ul style="list-style-type: none"> Lack of commercial cultivation 	12 ha	Cluster: Banavasi Villages: Gudnapur, Cluster : Malagi	FLD, Field Visits, Trainings, Method demonstrations.

				Villages : Kalakoppa	
6.8	Black pepper	<ul style="list-style-type: none"> • Foot rot disease • Death of vines • Berry drop • Poor yield • Sucking Insects • Poor quality due to direct sun drying 	250 ha	<p>Cluster : Manchikeri Villages : Kankodlu, Kibballi, Ummachagi</p> <p>Cluster : Banavasi Villages: Kenchagadde, Kedigemane</p> <p>Cluster: : Sirsi Villages : Boppanalli</p>	OFT, FLD, Training Programmes, Method demonstrations, Field Visits
6.9	Cashew	<ul style="list-style-type: none"> • Poor yield • Incidence of TMB and CSRB and dieback 	450 ha	<p>Cluster : Deevalli (Kumta Tq.)</p> <p>Villages : Deevalli, Kailodi, santheguli</p>	FLD, Training Programmes, Method demonstrations, Field Visits
6.10	Lac	<ul style="list-style-type: none"> • Lack of awareness on lac cultivation on Kusum Trees(<i>Schleichera oleosa</i>) • Poor survivability during rainy season 	-	<p>Cluster : Mundagod Villages : Arishinageri</p> <p>Cluster : Bidrakan Villages : Chetnalli</p>	OFT, Field Visits, Method Demonstrations.
6.11	Cotton	<ul style="list-style-type: none"> • Low yield • Incidence of sucking insects, black arm disease • Leaf reddening • Square and boll drop 	150 ha	<p>Cluster : Mundagod, Villages : Arishinageri, Jenmuri</p>	FLD, Training Programmes, Method demonstrations, Field Visits
6.12	Banana	<ul style="list-style-type: none"> • Banan Leaf roller • Nutritional deficiency • Pseudo stem weevil, sigatoka leaf spot 	50 ha	<p>Cluster : Bidrakan (Siddapur Taluk)</p> <p>Villages : Bilagi, Bidrakan, Chetnalli</p>	OFT, Method demonstration, training programme, field visits,
6.15	Fodder crops	Fodder scarcity & lack of live fence trees on farm bunds		<p>Cluster : Banvasi</p> <p>Villages: Banavasi Madhuralli, Sugavi</p>	OFT-Sesbania grandiflora , Calliandra & Gliricidea - a best option for live fence & fodder crops in Uttara kannada district

6.16	<i>Sesbania grandiflora</i>	Lack of Shade tree for arecanut and low soil fertility		Cluster : Sirsi Vilages : Mashigadde Kansur, Neernahalli	OFT; Introduction of <i>Sesbania grandiflora</i> – a promising fodder/shade tree for initial Stage of arecanut plantation
6.17	IFS	<ul style="list-style-type: none"> • Low Income • Unemployment • Improper Utilization of Resources 		Cluster : Sirsi Villages: Achanalli, Arebail, Dodnalli	IFS Module for Empowerment
6.18	Home Science	Poor nutritional status of the adolescents and lack of knowledge regarding importance of nutrients	1 in 5 children are malnourished as stated by women and Child Development Dept.	Cluster : Sirsi Village: Boppanahalli	FLD, Training, Extension activities
6.19	Home Science	Lack of knowledge on value addition, Low family income	250 farmers	Cluster : Sirsi Village : Tattaguni, Kangod	FLD, Training, Extension activities

7. Technology Assessment during 2017-18

S.No.	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
7.1	Black Pepper	<ul style="list-style-type: none"> Berry drop Poor yield 	Management of berry drop in Blackpepper	TO1: <i>No spray</i>					5	1450.00	Survival %, Farmers feedback	Sci(Hort), Sci (Ent), Sci (Agr)
				TO2: DAP 1.5 % spray & NAA @ 25 ppm at berry set and fruit development stage respectively	TNAU, Coimbatore	DAP NAA	1500 g 5 g	50 240				
				TO3: NAA @ 40 ppm at berry set and fruit development stage	KAU, Thrissur							
								290.00				
7.2	Blackpepper	Sucking insects (Thrips, mealy bugs and scales)	Eco friendly management of sucking insects in blackpepper	TO 1: Spraying with Dimethoate 2 ml/l		Dimethoate 30 EC	100 ml	100.00	05 (20 vines/trial)	5750.00	<ul style="list-style-type: none"> Yield Sucking insects population Economics NE population if any 	Sci (Ag. Ent), Sci (Hort), Sci (Agr)
				TO 2 : Spraying with Fish oil rosin soap @ 3% + Soil appln of Neem Cake @ 1 kg/vine	IISR, Calicut	Fish oil rosin soap	1 l	700.00				
				TO 3: Spraying with Neem based pesticide Az 3000 ppm @ 0.5% Soil appln of Neem Cake @ 1 kg/vine	IISR, Calicut	Neem based pesticides Az 3000 ppm @ 5 ml/l	250 ml	350.00				
								1150.00				

7.3	Sugarcan e	Low yield due to Poor tiller and lesser cane weight	Assessment of Planting Methods in Sugarcane	TO1 : Planting at 75 cm spacing		Azospirillum PSB ZnSO ₄	4 kg 4 kg 10 kg	240.00 240.00 600.00	3	8340.0	<ul style="list-style-type: none"> Plant population per care No.of Tillers per Bud No.of Tillers 5 metre row Single cane weight Yield Pest and disease incidence 	Sci (Agr) PC Sci(Ent.) Sci(Hort) FM PA
				TO2: Planting at 90 cm	UAS, Dhrawad	FeSO ₄ Borax Sunhemp	10 kg 2 kg 10 kg	600.00 300.00 800.00				
				TO3 : Planting at 60- 120 -60 cm (Paired row system)	UAS, Dhrawad							
				TO4 : Pit method (90 X45 cm spacing and Pit size 100 cm X100 x45 cm)	UAS, Dhrawad							
							2780.00		8340.0			
7.4	MPTs	Need for evaluation of existing MPTs as pepper standards	Evaluation of Multi Purpose Trees (MPT) as pepper standards	To1: Areca nut with black pepper	UAS, Dharwad	Pepper seedlings	100	1500.00	05	7500.00	% Survival of pepper dbh of MPTs Pepper yield , Economics	Sci(Agf) Sci(Hort) PA (Agrf)
				To2: Silver oak with black pepper	KAU							
				TO3: <i>Melia dubia</i> with black pepper	KAU							
							1500.00		7500.00			
7.5	Lac	No knowledge on Lac cultivation	Evaluation of inoculation seasons for brood lac on Kusum tree in Uttara Kananda District	TO1 : Inoculation during Kharif	IINRG,Ranchi	Brood lac of Kusum Strain	5 kg	2500.00	03	18255.00	<ul style="list-style-type: none"> Lac Yield Economics Natural Enemy population 	Sci (Ent), PC, PA (Agf), Sci (Hort), Sci (Agr)
				TO 2 : Inoculation during Summer	IINRG,Ranchi	Brood lac of Kusum Strain Nylon Mesh Flubendiamide Carbendazim	5 kg 25 nos 20 ml 100 g	2500.00 125.00 400.00 80.00				
							6085.00		18255.00			

8. Technology Refinement during 2017-18 : NIL

9.3	Oilseeds	Ground nut	Low fertility Low yield Spodoptera, Leaf Miner & Collar Rot Poor Peg Penetration,	Management of grassy and broad leaved weeds in groundnut	Variety	G2-52	UASD	Seeds (G2-52) Rhizobium PSB Trichoderma @ 10g/kg seeds Pendimithiline 30 EC Quizalopop Ethyl 5 EC Soil Testing	45 kg 500 g 500 g 500 ml 250 ml 1	3000.00 50.00 50.00 250.00 400.00 200.00	10	40000.0	<ul style="list-style-type: none"> • % germination • Weed Population / m² area: at 25 DAS & 45 DAS • Yield Parameter No. of pods /plant, Yield q/ha • Economics & Feed back 	PC, Sci(Agr) PA(Lab tech)
										4000.00		40000.0		
9.5	Commercial crops	Cotton	Low yield, Sucking insects, Boll and square drop, Black arm, leaf reddening	ICM in Bt Cotton	Hybrid	BGII	UAS Dharwad	Bhendi seeds Dinotefuran 20% SG @ 0.15 g/l Planofix @ 0.25 ml/l MgSO ₄ @ 1 % ZnSO ₄ @ 0.5 % Soil Testing	500 g 50 g 100 ml 3 kg 1.5 kg	150.00 450.00 95.00 180.00 100.00 400.00	10	13750.0	<ul style="list-style-type: none"> • Sucking insects population • % reduction in square and boll drop • Yield q/ha 	Scientist (Ent.), PC, Scientist (Agr), Scientist (Hort), Farm manager
										1375.0		13750.0		
9.6	Horticultural crops	Arecanut	Nut dropp and nut splitting and root grub	Promising tehnology to tackle nutdrop, nutsplitting and root grub	Variety	SAS-1	UASD and CPCR I	Borax Metarrizium Soil Testing	14 kg 12kg 1	2100.0 3000.0 400.0	05	27500.0	<ul style="list-style-type: none"> No of nut drop/pl, %reduction in nut drop No of nut splitting, Yield/pl % mortality economics 	FM Scie(Ent) Scie(Agro) Scie(Hort)
										5500.0		27500.0		

9.9	Agroforestry	TBO's	Improper utilization of Betta lands and loss of species diversity	Effective utilization of betta lands through cultivation of TBO's for sustainable land use	-	-	KAU	<i>Madhuca latifolia</i>	30	900	10	45000.0	<ul style="list-style-type: none"> • Survival per cent • Growth & Yield • Economics 	Sci(agroforestry), PC		
								<i>Calophyllum inophyllum</i>	30	900						
								<i>Mesua ferrea</i>	30	900						
								<i>Simarouba glauca</i>	30	900						
								<i>Buchanania lanzan</i>	30	900						
												4500.0	45000.0			
	Agroforestry	NTFP,s	Loss of soil fertility Loss of indigenous tree species, Improper utilization of Betta lands and loss of species diversity	Effective utilization of betta lands through cultivation of NTFPs for sustainable land use	-	-	KAU	Seedlings of <i>Garcinia indica</i>	30	900	05	22500.0	<ul style="list-style-type: none"> • Survival per cent • Yield • Economics 	Sci (Agroforestry)		
								<i>Myristica malabarica</i>	30	900						
								<i>Garcinia indica</i>	30	900						
								<i>Innamomum zyalanicum</i>	30	900						
								<i>Acacia concinna</i>	30	900						
												4500.0	22500.0			

9.10	Home Science	Home Science	Poor nutritional status of the adolescents and lack of knowledge regarding importance of nutrients	Nutritional Garden in Schools	Varieties	1.Leafy Vegetables, 2.root and tubers 3.other vegetables 4.Medicinal plants	UAS, Bangalore	Fenugreek Amaranthus Spinach Shepu Coriander Tubers knolkol Other vegetables Tomato Seedlings Chilli Seedlings Brinjal Seedlings French beans Okra Fruit, Medicinal Curry leaf Papaya Drumstick Lime Banana Amla Neem oil Sticky traps	50 g 50 g 50 g 50 g 50 g 50 no 10 No. 10 No. 10 No. 10 No. 100 g 2 No. 1 No. 1 No. 1 No. 1 No. 1 No. 1 No. 50 ml 2 No.	50.0 50.0 50.0 50.0 50.0 100.0 50.0 50.0 50.0 80.0 70.0 40.0 30.0 60.0 30.0 40.0 20.0 30.0 100.0	05	5000.00	1.Quantity of vegetables procured per week 2.change in dietary pattern after intervention 3.Economics	Sci (HSc), Sci (Agr), Sci (Hrt)
										1000.0		5000.00		
		Home Science	Lack of knowledge on value addition, Low family income	Preparation and Preservation of Spice mixture for Butter milk as EDP	-	-	UHS, Bagalkot	1.Hand operated sealing machine 12” 2.300 gauge polythene bags 3.Green Chillies 4.Garlic 5.Coriander leaf 6.Pudina leaves 7. Cumin 8. Green ginger 9. salt	01 50 No 750 g 120 g 225 g 110 g 70 g 450 g 550 g	3800.0 400.0 30.0 40.0 30.0 30.0 40.0 50.0 40.0	3 groups	20400.00	1.Income/month 2. mandays created (number/month)	Sci(HSc), Sci (Agr), Sci(Hrt)
										6800.0		20400.00		
	IFS			IFS Module						10,000.0	5	50000.00		Sci (Agr) All Technical staff

10 Training for Farmers/ Farm Women during 2017-18

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	Poor fertility Lesser tillers Low yield	FLD: Production technologies for profitable paddy cultivation	INM in Paddy	4	120	Sci (Agr) PC Sci (Hort)
			Poor fertility Lesser tillers Low yield	FLD: Production technologies for profitable paddy cultivation	Bio-fertilizer importance and its application method	3	90	Sci (Agr) PC Sci (Hort)
		Maize	Weeds	FLD: ICM in Maize with special emphasis on weed and nutrient management	Weed management in Maize	2	60	Sci (Agr) PC PA(Soil Sci)
			Poor fertility	FLD: ICM in Maize with special emphasis on weed and nutrient management	Nutrient management in Maize	2	60	Sci (Agr) PC Sci Hort PA(Soil Sci)
			Poor fertility Water scarcity	FLD: ICM in Maize with special emphasis on weed and nutrient management	Sowing method of Maize + Cowpea inter crop during summer	2	60	Sci (Agr) PC Sci (Hort)
		Black gram & Green Gram	Low yield Poor fertility	FLD : Enhancing productivity of black gram & Green Gram under residual moisture	Seed treatment with bio-fertilizers Weed management in Pulse crop	4	120	Sci (Agr) PC Sci (Ent) Sci Hort
		Ground nut	Low yield Poor fertility Poor peg penetration	FLD : ICM in Ground nut	Gypsum importance and its method of application Biofertilizer Importance and its application Nutrient management IPM in Ground nut	1 1 1 1	120	Sci (Agr) PC Sci (Ent) Sci (Hort)
		Sugarcane	Low yield Poor fertility Water scarcity	OFT: Planting Methods in Sugarcane	Planting methods in Sugarcane INM in Sugarcane	2	60	SMS (Agr) PA(Soil.Sci) SMS(Hort)
10.2	Horticulture Production							
10.3	Livestock Production							
10.4	Home Science	Pepper	Poor family income, Lack of knowledge in post harvest technology	FLD: processing of quality black pepper	Value addition of pepper	01	25	Scit (H.Sc), PC, Sci (Agr, Hrt, Ent.)

		Home Science	Poor nutritional status of the adolescents and lack of knowledge regarding importance of nutrients	FLD: Nutritional Garden	Importance of nutrients in our daily diet	01	25	Scit (H.Sc),PC, Sci (Agr, Hrt, Ent.)
		Home Science	Lack of knowledge on value addition, Low family income	FLD: Preparation and Preservation of Spice mixture for Butter milk as EDP	Value addition of milk	01	25	Scit (H.Sc),PC, Sci (Agr, Hrt, Ent.)
	Home Science	Pepper	Poor family income,Lack of knowledge in post harvest technology	FLD: processing of quality black pepper	Value addition of pepper	01	25	Scit (H.Sc),PC, Sci (Agr, Hrt, Ent.)
10.5	Plant Protection	Paddy	Blast, leaf folder, ear head bug, stem borer	FLD: Advanced production technologies for paddy cultivation	Identification of damage symptoms of insects and diseases of paddy and their management	01	25	Sci(Ent, Agr)
		Paddy	Blast, leaf folder, ear head bug, stem borer	FLD: Advanced production technologies for paddy cultivation	Non chemical measures for the management of paddy pests	02	45	Sci(Ent, Agr)
		Paddy	Blast	FLD: Advanced production technologies for paddy cultivation	Importance of Seed treatment	02	40	Sci(Ent, Agr) PC
		Paddy	Ear head bug	FLD: Advanced production technologies for paddy cultivation	Integrated management of ear head bug	01	20	Sci(Ent, Agr) PC
		Ground nut	Aphids, Leaf miner, Spodoptera, Collar rot	FLD : ICM in Groundnut	Identification of damage symptoms of insects and diseases of groundnut and their management	02	45	Sci(Ent, Agr) PC
		Cotton	sucking insects	FLD: : ICM in Bt Cotton	Identification of damage symptoms of Sucking insects of Bt cotton and their management	01	25	Sci(Ent) , Sci(Agr), Sci(Hort)
		Pulses	Aphids, stem fly, pod bug, pod fly		Plant protection in pulses	02	60	Sci (Ent) , PC Scientist (Agr)
		Mango	Leaf hoppers and powdery mildew		Management of leaf hoppers and powdery mildew in mango	01	20	Sci(Ent) Sci(Hort)
		Mango	Fruit fly		Ecofriendly management of fruitflies	01	20	Sci(Ent),Sci (Hort)

		Cashew	TMB, CSRB and anthracnose	FLD : IPM in Cashew	Plant protection measures during flowering in cashew	01	30	Sci(Ent) Sci (Hort)
		Cashew	CSRB	FLD : IPM in Cashew	Integrated management of CSRB	01	15	Sci(Ent) Sci (Hort)
		Banana	Leaf roller, Pseudo stem weevil	OFT : Assessment of Green Labelled Insecticides for Banana Skipper Management	Identification of different stages of banana leaf roller and management strategies	01	15	Sci(Ent) Sci (Hort)
		Banana	Pseudo stem weevil	-	Ecofriendly approaches in the management of pseudostem weevil	01	25	Sci(Ent) Sci (Hort)
		Arecanut	Root grub	FLD: Promising technology to tackle nutdrop and rootgrub in Arecanut	Importance of drainage management and use of biopesticides in arecanut rootgrub management	02	35	Sci(Ent) Sci (Hort)
		Ginger	Stem borer and Rhizome rot	FLD: ICM in Ginger	Integrated management of Rhizome rot and stem borer in ginger	02	45	Sci(Ent) Sci (Hort)
10.6	Production of Inputs at Site							
10.7	Soil Health and Fertility							
10.8	PHT and value addition	Jackfruit	Poor family income, Lack of knowledge in post harvest technology	-	Value addition of jackfruit	01	25	Sci (H.Sc),PC, Sci (Agr., Hrt, Ent)
		Liquid jaggery	Poor family income, Lack of knowledge in liquid jaggery preparation	-	Entrepreneurship development	01	25	Sci (H.Sc),PC, Sci (Agr., Hrt, Ent)
		Coco chocolate	Poor family income, wastage of fruits	-	Skill development	01	25	Sci (H.Sc),PC, Sci (Agr., Hrt, Ent)
10.9	Capacity Building Group Dynamics							
10.10	Farm Mechanization							
10.11	Fisheries Production Technologies							
10.12	Mushroom production							

10.13	Agroforestry	Non Timber forest products	Lack of propagation /grafting techniques in NTFPs	-	Propagation /grafting techniques in NTFPs of Uttara Kannada district	02	50	SMS (Agfo), PA (Agf)
	Agroforestry	Non Timber forest products	Lack of micro enterprises in NTFPs of Uttara kannada	-	Micro enterprises and tools & equipments for value addition to of Non Timber forest Products(NTFPs) in Uttara Kannada	02	50	SMS (Agroforestry), PA (Agoforestry)
	Agroforestry	Fodder potential trees	Scarcity of fodder production & Low soil fertility	Sesbania grandiflora, Calliandra & Gliricidea - a best option for live fence & fodder crops of Uttara Kannada district	Importance and cultivation aspects of fodder yielding trees in Uttara Kannada district.	02	50	SMS (Agroforestry), PA (Agoforestry)
	Agroforestry	Mangroves	Declining population of mangroves		Role of Mangroves for fish rearing in coastal taluks of Uttara kannada district	02	50	SMS (Agfo), PA (Agf)
10.14	Bee Keeping	Bee keeping (Paid training)	Lack of knowledge on scientific bee keeping	-	Scientific Bee keeping	01	10	Scientist (Ent), Scientist (Hort)
10.15	Sericulture							
	Lac culture	Lac cultivation	Lack of knowledge	OFT :Evaluation of inoculation seasons for brood lac on Kusum tree in Uttara Kananda District	Lac cultivation on Kusum Trees and flemingia Plant protection measures in Lac Cultivation	02	30	Scientist (Ent), Scientist (Hort)PC PA(Agroforestry)

11. Training for Rural Youth during 2017-18

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
11.1	Crop Production	Paddy	Labour scarcity	FLD : Use of mechanized paddy transplanter to combat labour scarcity	Dapog Method of nurseryaproduction	2	20	Sci(Agr) PC, Sci(Hrt, Ent)
			Labour scarcity	FLD : Use of mechanized paddy transplanter to combat labour scarcity	Mechanized Paddy Transplanter as IG activity	2	20	Sci(Agr) PC, Sci(Hrt, Ent)
11.2	Horticulture Production	Arecanut	Nut dropping and splitting	FLD:Promising technology to tackle nutdrop and rootgrub in Arecanut	Nutrient management in arecanut	04	100	Sci(Hort, Ent, Agr)
		Blackpepper , Nutmeg, Arecanut	Poor Quality seedling	-	Seedling production & nursery management	01	75	Sci(Hort, Ent, Agr)
11.3	Livestock Production							
11.4	Home Science	Entrepreneurship development	Low income	-	Income generating activities	01	20	Sci(HSc, Hrt, Agr, Ent)
11.5	Plant Protection	-	Lack of knowledge on spraying equipments	-	Scientific knowledge reg. pesticide classification, different types of sprayers, types of nozzles	01	15	Sci (Ent, Agr, Hort)
11.6	Production of Inputs at Site							
11.7	Soil Health and Fertility							
11.8	PHT and value addition							
11.9	Capacity Building Group Dynamics							

11.10	Farm Mechanization							
11.11	Fisheries Production Technologies							
11.12	Mushroom production							
11.13	Agro forestry							
11.14	Bee Keeping	Apiculture	Lack of knowledge on scientific bee keeping practices	-	Bee keeping- a subsidiary income for rural youths	01	10	Sci (Ent, Hort, Agr), PC
11.15	Sericulture							
11.16	Lac	Lac culture	Lack of knowledge	OFT :Evaluation of inoculation seasons for brood lac on Kusum tree in Uttara Kananda District	Lac cultivation on Kusum Trees and flemingia Plant protection measures in Lac Cultivation	02	30	Sci (Ent, Hort, Agr), PC PA(Agroforestry)

12 Training for Extension Personnel during 2017-18

S.No.	Thematic area	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
12.1	Crop Production	Nutrient deficiency and its management in Maize	2	40	SMS(Agr),PC, Farm Manager SMS (Hort), SMS (Ent)
		Planting method of Sugarcane	1	20	SMS (Agr), PC SMS(Hort) SMS(Ent)
		Nutrient deficiency and its management in Paddy	2	40	SMS(Agr), PC Farm Manager
12.2	Home Science				
12.3	Capacity Building and Group Dynamics				
12.4	Horticulture	Production technology of Banana	01	15	Scientist (Hort, Agr,Ent)
12.5	Livestock Production & Management				

12.6	Plant Protection	Pest surveillance and monitoring in Paddy	01	30	Scientist (Ent) , PC, Sci(Agr, Hort)
12.7	Farm Mechanization				
12.8	PHT and value addition				
12.9	Production of Inputs at Site				
12.10	Sericulture				
12.11	Fisheries				

13. Vocational trainings during 2017-18

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	Crop Production	Vermi-composting	1 & 6 days	SHGs	30	-	SMS(Agronomy) SMS(Agri.Ent.) PC
13.2	Home Science	Preparation of house hold products	01 and 7 days	SHG's	25	-	Scientist (HSc) PC, Scientist (Hort) Scientist (Agr) Scientist (Ent)
13.3	Capacity Building and Group Dynamics						
13.4	Horticulture						
13.5	Livestock Production & Management						
13.6	Plant Protection						
13.7	Farm Mechanization	Dapog Nursery and Mecchanized transplanter in Paddy	1 & 15 days	Rural Youths	20	Pragatimitra and Manuvikas Staff	SMS (Agronomy) SMS(Ent) SMS(Hort) SMS(AgroForestry)
13.8	PHT and value addition						
13.9	Production of Inputs at Site						
13.10	Sericulture						
13.11	Fisheries						

14. Sponsored trainings during 2017-18

Sl.No.	Thematic area and the Crop/Enterprise	Training title*	No. of programmes and Duration (days)	Type of Participants	Expected number of participants	Sponsoring agency	Names of the team members involved
14.1	Crop Production	Production Technologies in Field Crops	2 & 6 days	Farmer Facilitators	60	KSDA Bhuchetana Programme	SMS(Agr),PC SMS(Ent) SMS(Hort) Farm Manager
		Production Technologies in Field Crops	5 & 2 days	Rural Yuths	150	KSDA under Bhuchetan and ATMA	SMS(Agr), PC SMS(Ent) SMS(Hort) Farm Manager
14.2	Home Science						
14.3	Capacity Building and Group Dynamics						
14.4	Horticulture	Terrace gardening	2 & 1 days	Women, SHGs	100	Dept. of Horticulture	SMS(Hort)
14.5	Livestock Production & Management						
14.6	Plant Protection	IPM in Cashew	1 & 1 day	Farmers/farm women/SHG	50	DCCD, Kochi	Scientist (Ent) , Scientist (Hort), PC PA(Agroforestry)
14.7	Farm Mechanization	Dapog Nursery and Mechanized Paddy transplanter	2 & 2 days	Rural Youth	60	KSDA under Bhuchetan and ATMA	PC, SMS(Agr) SMS(Ent) SMS(Hort) Farm Manager
14.8	PHT and value addition						
14.9	Production of Inputs at Site						
14.10	Sericulture						
14.11	Fisheries						

15. Extension programmes during 2017-18

Sl.No.	Extension Programme/ Activity*	No. of programmes or activities	Expected number of participants	Names of the team members involved
15.1	Advisory Services	35	2500	PC & All SMS
15.2	Diagnostic visits	40	180	PC & All SMS
15.3	Field Day	10	500	PC & All SMS
15.4	Group discussions	5	100	PC & All SMS
15.5	Kisan Ghosthi	05	1000	PC & All SMS
15.6	Film Show	02	500	PC & All SMS
15.7	Self -help groups			
15.8	Kisan Mela			
15.9	Exhibition	07	100000	PC & All SMS
15.10	Scientists' visit to farmers field	160	280	PC & All SMS
15.11	Plant/Soil health/Animal health camps	01	200	PC & All SMS
15.12	Farm Science Club			
15.13	Ex-trainees Sammelan	02	50	PC & All SMS
15.14	Farmers' seminar/workshop	02	500	PC & All SMS
15.15	Method Demonstrations	20	200	PC & All SMS
15.16	Celebration of important days	05	200	PC & All SMS
15.17	Special day celebration	01	20	PC & All SMS
15.18	Exposure visits	05	100	PC & All SMS
15.19	Technology week,	01	500	PC & All SMS
15.20	FFS	01	30	PC & All SMS
15.21	Farm innovators meet	01	200	PC & All SMS
15.22	Awareness programs	02	500	PC & All SMS
15.23	Mass Media Coverage	10		PC & All SMS
15.24	Video Preparation	02		PC & All SMS
15.25	Print Media	10		PC & All SMS

16. Activities proposed as Knowledge and Resource Centre during 2017-18

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	New varieties of Paddy, Black gram, Cow pea, Ground nut and Maize, Mechanized paddy transplanter	0.20 ha	PC & All Technical Staff
16.1.2	Demonstration Units	Azolla, Fodder Unit, Vermicompost, Composting methods, Nutrition garden	0.10 ha	PC & All Technical Staff
		Dairy	-	PC & All Technical Staff
16.1.3	Lab Analytical services			
16.1.4	Technology Week	Seed treatment with pesticides, Biofertilizers & Biopesticides. Farm Mechanization, Post Harvest Technology Farmers innovations Seedling production Exhibition	-	PC & All Technical Staff

16.2 Technological Products

Sl.No.	Category	Name of the Production Partner Agency, if any	Name of the product	Quantity (q)/Number planned to be produced during 2016-17	Names of the team members involved
16.2.1	Seeds				
16.2.2	Planting materials				
16.2.3	Bio-products				
16.2.4	Livestock strains				
16.2.5	Fish fingerlings				

16.3 Technological Information

	Category	Technological capsules / Number	Names of the team members involved
16.3.1	Technology backstopping to line departments		
	Agriculture	Seed treatment, Planting Methods, Sowing Methods, INM, IPM, Weed Management	PC, SMS Agronomy , Entomology, Horticulture, Agroforestry)
	Horticulture		
	Animal Husbandry		
	Fisheries		
	Agricultural Engineering		
	Sericulture		
	Others, pl. specify		
16.3.2	Literature/publication	Plant protection measures in Lac cultivation(Folder) (500) INM in Sugarcane(1000) SSI in Sugarcane(1000) Sugarcane Trash Management(500) Nutrient deficiency symptoms of field crops (manual)(500) Popular articles on medicinal uses of pepper, importance of kitchen garden Folder : entrepreneurship activities	Scientist (Ent) SMS(Agronomy) Scientist (HSc)
16.3.4	Electronic Media	Plant protection measures in paddy (DVD) Dopag nursery and Mechanised transaplanting	PC, SMS(Ent & Agronomy), Prog,Asst(Comp)
16.3.5	Kisan Mobile Advisory Services	40	All Technical Staff
16.3.6	Information on centre/state sector schemes and service providers in the district.		

17. Additional Activities Planned during 2017-18

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	UAS,Dharwad	Research	Survey and surveillance of major pests of field and horticultural crops in UK district	-	Dr. Roopa.S.Patil
17.2	UAS,Dharwad	Research	Management of leaf folder and stem borer with biorationals/green labeled chemicals in paddy		Dr. Roopa.S.Patil and Dr. Javaregowda
17.3	IINRG, Ranchi	Research	Submitted proposal for inclusion in Network project on conservation of lac insect genetic sources (NPCLIGR)	35,13,000.00	Dr. Roopa.S.Patil and Dr. Javaregowda
17.4	BASF India, Ltd, Mumbai	Research	Evaluation of bioefficacy and phytotoxicity of BAS 306 02 1 240 SC against mites, fruit and shoot borer on brinjal (II season)	73312.00	Dr. Roopa.S.Patil

18. Revolving Fund

18.1 Financial status

Opening balance as on 01.04.2016 (Rs.in Lakh)	Expenditure incurred during 2016-17 (Rs.in Lakh)	Receipts during 2016-17 (Rs.in Lakh)	Closing balance as on 31.01.2017 (Rs.in Lakh)	Expected closing balance by 31.03.2017 (Including value of material in stock/ likely to be produced)
575405.52	1069915.00	1283073.50	788564.02	1063564.02

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	Melia dubia Red sanders Sesbania Sandal Calliandra	2000 500 1000 500 1000	30,000.00 12,500.00 5,000.00 10,000.00 50,000.00	Sci (Agf) PA (Agf)
18.2.2	Dairy	8000 lit	2,00,000.0	FM and PC
18.2.3	vermicomposting	60 q	24000.0	FM and PC
18.2.4	Blackpepper seedling production	10000	150000.0	Sci (Hort)
18.2.5	IBA Root Hormone	5Kg	5000.0	Sci (Hort)
18.2.6	Arecanut seedling production	2000	30000.0	Sci (Hort)
18.2.7	Seed production(Paddy) in instructional farm	250		FM & PC
18.2.8	Seed Production(Paddy) farmers field	200		Sci(agronomy)
18.2.9	Seed Production Blackgram	2		FM
18.2.10	Seed production Sunhemp	10		FM

19. Activities of soil, water and plant testing laboratory during 2017-18

Sl.No.	Type	No.of samples to be analyzed	Names of the team members involved
19.1	Soil	1500	Prog Asst(soil sc), Sci(Agronomy),PC
19.2	Water	1000	Prog Asst(soil sc), Sci(Agronomy),PC
19.3	Plant		
19.4	Others		

20. E-linkage during 2017-18

S. No	Nature of activities	Likely period of completion (please set the time frame)	Remarks if any
20.1	Title of the technology module to be prepared	--	-
20.2	Creation and maintenance of relevant database system for KVK	OLRS,KVK Portal, Excel Database	
20.3	Any other (Please specify)	Website Updating	
20.4			

21. Activities planned under Rainwater Harvesting Scheme (only to those KVKs which are already having scheme under Rain Water Harvesting)

S. No	Activities planned	Remarks if any
21.1		
21.2		

22. Innovator Farmer's Meet

Sl.No.	Particulars	Details
22.1	Are you planning for conducting Farm Innovators meet in your district?	No
22.2	If Yes likely month of the meet	
22.3	Brief action plan in this regard	

23. Farmers Field School (FFS) planned

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.
23.1	Production technology	ICM in groundnut	30000.00
23.2			

24.Budget - Details of budget utilization (2016-17) upto 31 January 2017

S. No.	Particulars	Sanctioned	Released	Expenditure
	Recurring Contingencies			
1	Pay & Allowances	85,28,000.00	85,28,000.00	67,67,980.00
2	Traveling allowances	1,50,000.00	1,50,000.00	1,40,306.00
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance	3,00,000.00	3,00,000.00	1,44,886.00
B	POL, repair of vehicles, tractor and equipments	2,50,000.00	2,50,000.00	1,80,462.00
C	contractual Service	1,25,000.00	1,25,000.00	56,081.00
D	Meals/refreshment for trainees	60,000.00	60,000.00	47,935.00
E	Training material	30,000.00	30,000.00	22,075.00
F	Frontline demonstration except oilseeds and pulses	2,86,000.00	2,86,000.00	2,57,900.00
G	Extension Activities	40,000.00	40,000.00	16,428.00
H	On farm testing	48,000.00	48,000.00	25,523.00
I	Training of extension functionaries	30,000.00	30,000.00	
J	Maintenance of buildings	0	0	0
K	Establishment of Soil, Plant & Water Testing Laboratory	90,000.00	90,000.00	42,872.00
L	Library	10,000.00	10,000.00	2,156.00
M	Farmers Field School	30,000.00	30,000.00	7,500.00
	Total Recurring	99,77,000.00	99,77,000.00	77,12,104.00
4	Non-Recurring Contingencies	12,00,000.00	12,00,000.00	0
1	Works	4,00,000.00	4,00,000.00	0
2	Equipments including SWTL & Furniture	0	0	0
3	Vehicle (Four wheeler/Two wheeler, please specify)	8,60,000.00	8,60,000.00	0
4	Library	0	0	0
	Total Non Recurring	24,60,000.00	24,60,000.00	0
	REVOLVING FUND			
	GRAND TOTAL (A+B+C)	1,24,37,000.00	1,24,37,000.00	77,12,104.00

25.Details of Budget Estimate (2017-18) based on proposed action plan

S. No.	Particulars	BE 2017-18 proposed (Rs.)
	Recurring Contingencies	
25.1.1	Pay & Allowances	11936634.00
25.1.2	Traveling allowances	250000.00
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)	300000.00
B	POL, repair of vehicles, tractor and equipments	300000.00
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	100000.00
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	50000.00
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	346075.00
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	49445.00
G	Training of extension functionaries	30000.00
H	Maintenance of buildings	100000.00
I	Establishment of Soil, Plant & Water Testing Laboratory	100000.00
J	Library	10000.00
K	Farmers Field School	30000.00
L	Extension Activities	60000.00
N	FLD under NFSM	
25.1	TOTAL Recurring Contingencies	13657754
25.2	Non-Recurring Contingencies	
25.2.1	Works (Main Building)	15000000.00
25.2.2	Equipments including SWTL & Furniture	200000.00
25.2.3	Vehicle	
25.2.4	Library	
25.2	TOTAL Non-Recurring Contingencies	15200000.00
25.3	REVOLVING FUND	
25.4	GRAND TOTAL	2,88,57,754.00

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