

**ZONAL PROJECT DIRECTORATE - ZONE VIII
ICAR, HEBBAL, BANGALORE**

ACTION PLAN 2015-16

ZONAL PROJECT DIRECTORATE – ZONE VIII BANGALORE

1. General information about the Krishi Vigyan Kendra

1.1	Name and address of KVK with Phone, Fax and e-mail	:	Krishi Vigyan Kendra, College of Horticulture, Tamaka, Kolar 563 102 Phone: 08152-240399 Fax: 08152-243208. Kvkolar2012@gmail.com
1.2	Name and address of host organization	:	University of Horticultural Sciences, Udyangiri, Seemikeri cross, Navanagar, Bagalkot, 587 102
1.3	Year of sanction	:	December, 2012
1.4	Website address of KVK and date of last update	:	-

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 (Rs./month)
				Current Pay Band	Current Grade Pay		
2.1	Programme Coordinator	K.Thulasi Ram	Entomology	37400-67000	9000	26.12.2012	Permanent
2.2	Subject Matter Specialist	B.N.Maruti Prasad	Horticulture	15600-39100	6000	26.12.2012	Permanent
2.3	Subject Matter Specialist	B.R.Premalatha	Agronomy	15600-39100	6000	26.12.2012	Permanent
2.4	Subject Matter Specialist	Shashidhar,K.R.	Sericulture	15600-39100	6000	17.01.2014	Permanent
2.5	Subject Matter Specialist	Noorulla Haveri	Plant Pathology	15600-39100	6000	27.01.2014	Permanent
2.6	Subject Matter Specialist	Deepa Teradal	Home Science	15600-39100	6000	03.02.2014	Permanent
2.7	Subject Matter Specialist	Vacant					
2.8	Programme Assistant	Santosh H M		9300-34800	4200	06.03.2014	Permanent
2.9	Computer Programmer	C.S. Gnana Sudha		9300-34800	4200	27.01.2014	Permanent
2.10	Farm Manager	Umesh Naik		9300-34800	4200	03.03.2014	Permanent
2.11	Accountant/Superintendent (Assistant)	Ravi Shankar		16000-29600	--	22.03.2013	Permanent
2.12	Stenographer	Savitri Rudrapur		20000-36300	--	12.03.2014	Permanent
2.13	Driver 1	Pradeep		Contract basis	--	01.08.2014	7198
2.14	Driver 2	Vacant					
2.15	Supporting staff 1(Gardener)	Y. Belagal		9600-14450	--	18.11.2013	Permanent
2.16	Supporting staff 2 (Gardener)	Srinivas D. Gasti		9600-14450	--	03.02.2014	Permanent

3. Details of SAC meeting conducted during 2015-16

Sl. No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC meeting proposed during 2015-16
3.1	12.09.2014	Suggested to submit projects on mechanization in mango and vegetable crops.	Project submitted to NHB	2015, September 2 nd week
		Advised to collect the mobile numbers of the participants during the trainings and other Extension activities and categorize them in the form of Taluk wise, Block wise and also crop wise for KMAS services.	Collected 6400 farmers numbers and categorized crop wise and taluk wise	
		Suggested that KVK has to take up the production and sale of different micronutrient formulations and mango fruit fly traps developed by IIHR and make them available in the KIOSK.	Started producing mango special micronutrient	
		Suggested to have the rain water and roof water harvesting structures in the farm and buildings.	A farm pond has been dug and moisture conservation techniques are taken up in the form of catch pits, bunding, mulching etc.	
		Identify the mango growers and create awareness among them to go for natural ripening in mango.	Groups have been identified and trainings will be imparted in March and April, 2015	
		Create awareness among the farmers/ farm women about food processing and post harvest technology and value added products in mango and jack.	During training programmes information on post harvest technology and value added products in mango and jack is being given	
		Suggested to have a KIOSK/ sales counter near the gate to sell planting material, value added products, micronutrient specials and other necessary information to farmers.	IFFCO has come forward to contribute a KIOSK for this purpose and will be materialized shortly	

4. Capacity Building of KVK Staff

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

Sl. No	New Areas of Training	Institution proposed to attend	Justification
4.1.1	Intensive Bivoltine training	CSR & TI, Mysore	To promote bivoltine silkworm rearing
4.1.2	Technology for processing of fruits and vegetables	CFTRI, Mysore	To know about various processing technologies
4.1.3			

4.2. Cross-learning across KVKs during 2015-16

SI. No	Name of the KVK proposed	Specific learning areas
4.2.1	Within ring – Chintamani, Bengaluru Rural, Magadi	Improved technologies in Sericulture, floriculture and fruit crop production, women empowerment
4.2.2	Within the zone – KVK Namakkal	Animal husbandry and dairying
4.2.3	Outside zone -	--

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

SI. 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, Chintamani	Improved Technology in horticultural crops	Improved technology in field crops and sericulture
5.2	KVK, Bengaluru Rural	Improved Technology in horticultural crops	Improved technology in field crops, vegetables and sericulture, IFS, processing and value addition
5.3	KVK, Ramanagara	Improved Technology in horticultural crops	Improved technology in dry land agriculture
5.4	KVK, Hirehalli	Improved Technology in horticultural crops	Demonstration units, IFS, crop cafeteria etc.,

6. Operational areas details proposed during 2015-16

SI. 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	Ragi	Local varieties, low yields & blast and delayed monsoon	60%	Iragasandra	Front Line Demonstration
6.2	Red gram	Pest and disease menace	60%	Ramapura	Front Line Demonstration
6.3	Groundnut	Local varieties, lack of awareness on bio fertilizers and micronutrients usage	50%	Vengasandra	Front Line Demonstration
6.4	Mango	Lack of water conserving measures, poor crop canopy mgt. Improper management of pest and diseases	50%	Neelatur	Front Line Demonstration
6.5	Potato	Injudicious use of insecticides and fungicides for pest and disease management and excessive haulm growth	60%	Seegenahalli	Front Line Demonstration
6.6	Tomato	Micronutrient deficiency & Injudicious use of fungicides for late blight management	50%	Honneganhalli	Front Line Demonstration

6.7	Cabbage	Injudicious use of insecticides for DBM management	80%	Meltayalur	Front Line Demonstration
6.8	Sericulture	Low leaf yield & quality, lack of awareness on bio fertilizers and micronutrients application and severe incidence of leaf roller in winter seasons	50%	Nernahalli & Nayakarhalli	Front Line Demonstration
6.9	Sericulture	Low cocoon price and poor quality silk	60%	Purahalli	Front Line Demonstration
6.11	Home science	Low income realization due to lack of knowledge on value addition in jack fruit	60%	Kolathur	EDP
6.12	Home science	Low income realization due to lack of knowledge on value addition in mango	60%	Kolathur	EDP
6.13	Ragi	Low yield due to delayed and erratic rainfall	60%	Kenchapura	On Farm Testing
6.14	Potato	Severe Late blight incidence	80%	Khadripura	On Farm Testing
6.15	Sericulture	Unawareness of improved mounting methods leads to more defective cocoon, labour and time consuming	50%	Nadupalli	On Farm Testing
6.16	Sericulture	Assessment of irrigation systems for better WUE in mulberry	50%	KVK Farm, Kolar	On Farm Testing
6.17	Home science	Malnutrition	40%	Kenchapura	On Farm Testing
6.18	Home science	Drudgery and health hazards	50%	Vengasandra	On Farm Testing

7. Technology Assessment during 2015-16

Sl. No.	Crop/enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial (Rs)	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members
7.1	Ragi	Moisture stress	Improved method of sowing in Ragi for drought mitigation	TO1:Farmer practice Broad casting	Farmer practice	-	-	-	05	-	Plant height, No. of tillers, ear heads & yield	SMS(Agron), SMS(PP.) & PC
				TO2: Transplanting in pits of 1X1 ft	UAS (Bangalore)	Seeds <i>Azospirillum</i> Borax Carbendazim	1 kg 20 g 0.5 kg 100 g	35 10 90 50		925		

				TO3: Transplanting in pits of 2X2 ft	ITK	Seeds <i>Azospirillum</i> Borax Carbendazim	1 kg 20 g 0.5 kg 100 g	35 10 90 50		925		
										1850+ 1000 (Name Board)=2,850		
Sl. 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.)	Paramete rs to be studied	Team members
7.2	Potato	Late blight	Management of late blight in potato	TO:1 Farmers practice	Farmer practice	-	-	-	05	-	% PDI, Yield & B:C Ratio	SMS(PP), SMS(Horti), & PC
				TO2: Tuber treatment with mancozeb (0.25%), Metalaxyl+ mancozeb (0.2%), Cymoxanil + Mancozeb (0.3%)	UAS (B)	Mancozeb Metalaxyl + Mancozeb Cymoxanil + Mancozeb	4 kg 0.25kg 0.3 kg	1600 350 500		12250		
				TO3: Soil application of FYM enriched with <i>Trichoderma</i> and <i>Pseudomonas</i> Prophylatic– Mancozeb (0.2%), Cymoxanil + Mancozeb (0.3%), Dimethomorph (0.1%) with Mancozeb (0.2%), Fenamidone+man cozeb(0.3%) Prophylactic spray followed by curative methods	CPRI, Shimla	Trichoderma Pseudomonas Mancozeb Fenamidone+ Mancozeb Cymoxanil+ Mancozeb Dimethomorph	1 kg 1 kg 1.0 kg 0.15 kg 0.15 kg 0.1 kg	150 150 400 425 240 500		9325		
Total										21575 + 1000 (Name Board)=22,575		
Sl. 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

7.3	Sericulture	More Defective cocoon, needs more time and labour	Assessment of different mountages for quality cocoon production	TO1: Bamboo chandrike	CSR & TI, Mysore	-	-	-	03	-	Cocooning percentage, Defective cocoon (%), Cocoon Yield (Kg/100 dfls), B : C ratio	SMS(Seri) & PC
				TO2: Plastic mountages	CSR & TI, Mysore	Plastic mountages	40	3000		9000		
				TO3: Swayandrike	KSSR & DI (B)	Swayandrike	12	3000		9000		
										18000 + 1000 (Name Board)=19,000		
Sl. 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
7.4	Sericulture	Decline in ground water resource and in situ water losses in mulberry garden	Assessment of irrigation system for better WUE in mulberry	TO1: farmers practice Drip lines between two rows	-	Drip lines	14000	14000	01	14000	Quantum of irrigation water applied, Frequency of irrigation, Leaf yield, Leaf moisture content and leaf moisture retention	SMS(Seri) , PC & FM
				TO2: Micro-sprinklers	ITK	Micro-sprinkler	15000	15000		15000		
				TO3: Sub-surface irrigation	UAS (B)	Subsurface	20000	15000		20000		
Total										49000 + 1000 (Name Board)=50,000		
Sl. 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
7.5	Food Science and Nutrition	Malnutrition and health care for vulnerable	Assessment of nutritional status of farm women through composite flour mix supplementation	TO1: Normal family diet	Farmer practice	-	-	-	01	17400	Anthropometric assessment, dietary pattern and food habit, Hb	SMS(H.Sci.) & PC
				TO :2 Composite flour mixes products as a supplementary food (100g/day)	UAS, Bangalore	Whole grains , minor millets and dried powder of	100 g/day for 90 days	Rs 10x15 x90 days = 15000 Haemo				

				for three months		vegetables		globin estim.= 2400			Assessment (pre & post)	
Total										17,400 + 1000 (Name Board) = 18,400		
Sl. 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
7.6	Home Science (Groundnut)	Drudgery	Improving Efficiency & Reduction in Drudgery of Farm Women in groundnut Weeding Activity by hand operated Twin Wheel & wheel Hoe weeder	TO1: Farmers practice Hand weeding	-	-	-	-	03	-	Labour cost and time saved & Yield,	SMS(H.Sci.) SMS (Agron.)& PC
				TO2: herbicides Alachlor 1ltr	UAS(B)	Alachlor	125 ml	100		300		
				TO3: Hand weeding through operated Twin Wheel weeder & wheel Hoe weeder	UAS (R)	Hand operated Twin Wheel weeder	01	1500		4500		
						wheel Hoe weeder	01	750		2250		
Total										7,050 + 1000 (Name Board) = 8,050		
Grand total										1,20,875=00		

9. Frontline Demonstrations during 2015-16

Sl. No	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
9.1	Cereals	Ragi	Local varieties, intermittent drought, low yields, & blast incidence and lack of awareness about the use of micronutrients	Introduction of improved variety KMR-204 for yield maximization	Variety	KMR-204	UAS(B)	Seeds <i>Azospirillum</i> Carbendazim	5kg 200g 50g	200 50 55	10 (4 ha)	3050	No. of tillers, plant height, No of ear heads and yield	SMS(Agron) SMS(PP) & PC
Total												3050 + 1000 (Name Board) = 4,050		
9.3	Oilseeds	Groundnut	Low yielding varieties and un awareness about the use of bio fertilizers	Improved variety of groundnut KCG-6 and effect of biofertilizers	Variety	KCG-6	UAS (B)	Seeds <i>Rhizobium</i> PSB <i>Trichoderma</i>	35kg 100g 100g 500g	2800 15 15 100	10 (2ha)	2930	Plant height, No. of pods/plant, Haulm yield and pod yield	SMS (Agron.), SMS (PP) & PC
Total												2930 + 1000(Name Board)=30,300		
9.4	Pulses	Redgram	Low yields due to <i>Fusarium</i> wilt, sterility mosaic, leaf webber and pod borer incidence	Integrated pest and disease management in redgram	Variety	BRG-1	UAS (B)	Seeds <i>Rhizobium</i> PSB <i>Trichoderma</i> Dicofol Profenophos DDVP Spinosad Neem seed	6 kg 200 g 200 g 100 g 1.0 ltr 1.0 ltr 250 ml 75ml 20 kg	540 30 30 20 600 550 150 1300FC 700	10 (4ha)	2620	% PDI, pod borer incidence, leaf webber incidence, Pods/plant & yield	SMS (PP) & PC

												Total	26,200 +1000 (Name Board)=27,200		
9.6.1		Mango	lack of water conserving measures, poor crop canopy management, improper pest & disease mgt. and micronutrient deficiency	Integrated crop management in mango	Variety	Alphonso/Totapuri	UAS (B)	Fruitfly traps Lures Mango special Catch pits Mukuna (Green manuring crop) Imidacloprid Sulphur Lambda cyalothrin Dinocap Thiop. methyl (FC)	4 No 2 No 6 kg - 10kg 120 ml 1kg 200 ml 500 ml 500 g	420 100 900 2400 1000 540FC 200FC 180FC 900FC 550FC	05 (2ha)	4820	Hopper incidence, % PDI, fruit fly catches and yield	PC, SMS(PP), SMS(Hort.)	
												Total	24100+1000(Name Board)=25,100		
9.6.2		Potato	Excess growth of haulm at the cost of tuber bulking High incidence of late blight, early blight diseases and mite and tuber moth pest menace	Integrated crop management in potato	Variety	Kufri Jyothi	UAS (B)	Mepiquat chloride Difencanazole Phosalone Cymoxanil+ Mancozeb Metalaxyl + mancozeb Dicofol Chlorpyroprophs	250 ml 250 ml 500 ml 400g 1.5kg 500 g 500 ml 500 ml	500 900 500 650 600FC 800FC 300FC 200FC	10 (4ha)	2550	% PDI, Mites/leaf, tuber moth/meter square	SMS(PP) SMS(Hort.) & PC	
												Total	25500 +1000(Name Board)=26,500		
9.6.3		Tomato	Late blight disease, Micro nutrient deficiency and low marketable yield	Late blight and nutrient management in Tomato	Hybrid	Indus 1030	UAS (B) & IIHR (B)	Veg. special Pota.sulfate Trichoderma Pseudomonas Fosetyl Al Dimethomorp 19-19-19 All Mancozeb Metalaxyl+ Mancozeb	3 Kg 2.5 Kg 5.0kg 5.0 kg 0.5 kg 0.15 kg 2.5 kg 0.5kg 0.5kg	450 250 750 750 550 750 250FC 250FC 750FC	05 (1ha)	3500	Micronutrient deficiency in fruits (%), TSS of fruits, firmness of fruits, fruit keeping quality, % Late blight incidence, Yield,	PC, SMS (PP)	

								Metiram	0.5 kg	500FC			B:C ratio	
Total												17500+1000(Name Board)=18,500		
9.6.4		Cabbage	Severe DBM infestation	Integrated pest management in cabbage	Variety	Unnati	IIHR (B)	Bt form. DBM traps DBM lures Novaluron Neem soap Indoxacarb Ema.Benzoate	100g 4 Nos 16 Nos 200 ml 2 kg 200 ml 100 g	200 300 240 650 300 850FC 800FC	05 (1ha)	1690	DBM population, bugs and yield	SMS (PP), SMS (Hort.), PC
Total												8400+1000(Name Board)=9,450		
9.9.1	Sericulture	Mulberry	Low leaf yield & quality, un awareness of bio-fertilizers and micronutrients use, Severe incidence of leaf roller during winter season	Integrated crop management in mulberry	Variety	V-1	CSRTI, Mysore & UAS,B	<i>Azospirillum brasilences</i> <i>Aspergillus awamori</i> Poshan Neem seeds Trichocards	4 kg 4 kg 1 ltr 7 kg 4 cards	500 500 300 245 150	10 (4 ha)	1695	Fertility status of soil before & after the demo leaf yield /acre , Percentage of pest incidence, Leaf yield and B:C ratio	SMS (Seri), PC
Total												16,950+1000(Name Board)=17,950		
9.9.2	Sericultur	Silkworm	low cocoon price and Poor quality silk	Introduction of bivoltine hybrid KRISHNARAJA for quality cocoon production	Hybrid	FC2 X FC1	CSR&TI Mysore	2 nd moult Chawki worms Disinfectant	100 Dfls 1 kit	2500 1200	05	3700	Disease incidence (%) ERR (%) Cocoon yield (kg/100 dfls)	SMS (Seri), PC
Total												18,500+1000(Name Board)=19,500		
9.9.3	Home science (EDP)	Value addition	Low income realization due to lack of knowledge on value addition processing,	Branding and market for Processed RTE Jack fruit products	-	-	FSSAI , UAS(B)	Polythene cover Boxes Hand gloves Labels	500 200 50	1000 1000 500 4000	1 No. SEP	9500	Price, trading net profit , BC ratio, Consumer	SMS(Ho me Sci).PC,

			packaging, labeling , and branding				Raw ingredients (jack fruit, sugar, preservatives, essence)		3000			preference		
Total											9500+1000(Name Board)=10,500			
9.9. 4	Home science (EDP)	Value addition	Low income realization due to lack of knowledge on value addition processing, packaging, labeling , and branding	Branding and market for Processed RTE mango fruit products	-	-	FSSAI , UAS(B)	Polythene cover Boxes Hand gloves Labels Raw ingredients (jack fruit, sugar, preservatives, essence)	500 200 50	1000 1000 500 4000 3000	1 No. SEP	9500	Price, trading net profit , BC ratio, Consumer preference	SMS(HS). PC
Total											9500+1000(Name Board)=10,500			
Grand Total											1,99,550=00			

10. Training for Farmers/ Farm Women 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	INM	Improper nutrient management	FLD	Importance of soil health and Integrated nutrient management	1	40	SMS(Agron).PC, SMS(PP)
		Use of biofertilizers	-	-	Role of Bio fertilizers and Foliar Nutrition in Maintaining Soil Health and Fertility	1	30	SMS(Agron).PC, SMS(PP)
		Groundnut	Local varieties, un awareness of bio fertilizers and micronutrients	FLD	Improved production technology in Ground nut	1	30	SMS(Agron).PC, SMS(PP)
		Redgram	Pest and disease problem	FLD	Improved production technology in redgram	1	30	SMS(Agron).PC, SMS(PP)
		Ragi	Local varieties, low yields & blast	FLD	Improved production technology in Ragi	1	30	SMS(Agron).PC, SMS(PP)
		Field bean	Local varieties, low yields & blast	-	Improved production technology in field bean	1	30	SMS(Agron).PC, SMS(PP)
10.2	Horticulture Production	Tomato	micronutrient deficiency	FLD	Integrated crop management practices	1	20	SMS(Hort).PC SMS(PP)
		Potato	Unawareness of use of Growth regulators	FLD	Integrated crop management practices	1	25	SMS(Hort).PC SMS(PP)
10.3	Live stock	Dairy animal	infectious diseases	-	Prevention & control of infectious diseases in dairy animals	1	25	PC
		Live stock	Unawareness of improved fodder crops	-	Improved fodder crop production technology	1	25	PC
10.4	Home Science	Weeders	Drudgery in hand weeding	OFT	Drudgery reduction for farm women	1	30	SMS(Home Sci) PC
		Value	Post harvest	EDP	Processing & value addition in	1	30	SMS(Home Sci)

		addition	losses		jack			PC
		Value addition	Post harvest losses	EDP	Processing & value addition in mango	1	30	SMS(Home Sci) PC
10.5	Plant Protection	Mango	Improper management of pest and diseases	FLD	Integrated pest and disease management	1	25	SMS(PP), PC
		Tomato	Injudicious use of fungicides for late blight management	FLD	Integrated pest and disease management	1	20	SMS(PP), PC
		Potato	Injudicious use of insecticides and fungicides for pest and disease management	FLD	Improved method of pest and disease management	1	20	SMS(PP), PC
		Redgram	Pest and disease problem	FLD	Integrated pest and disease management	1	40	SMS(PP), PC
		Cabbage	Pest and disease problem	FLD	Integrated pest and disease management	1	30	SMS(PP) PC
10.6	Production of Inputs at Site							
10.7	Soil health and fertility	Soil testing	Poor soil health	-	Importance of Soil Testing and Balanced Nutrient Application in Crop Production	2	30	SMS(Agron).PC, SMS(PP)
10.8	PHT and value addition	Mango	Lack of water conserving measures, poor crop canopy mgt.	FLD	Advances in mango production technology	1	20	SMS(Hort).PC SMS(PP)
10.9	Capacity Building Group Dynamics							
10.10	Farm	Weeders	Drudgery	OFT	Improving efficiency and	1	50	SMS(Hort), PC

	Mechanization				reduction in drudgery of farm women in weeding activity by Twin wheel hoe and cycle weeder			
10.11	Fisheries Production Technologies							
10.12	Mushroom production							
10.13	Agro forestry							
10.14	Bee Keeping							
10.15	Sericulture	Mulberry	pest and disease menace	FLD	Mulberry Integrated pest and disease management	1	50	SMS (Seri), PC, SMS(PP)
		Cocoon production	low cocoon price and Poor quality silk	FLD	Importance of bivoltine hybrid for quality cocoon production	1	30	SMS (Seri), PC, SMS(PP)
		Silkworm rearing	Defective cocoon & laborious	OFT	Use of different mountages for quality cocoon production	1	30	SMS (Seri), PC, SMS(PP)
	Others, pl. specify							

* Title of intervention/title of technology, ** Training title should specify the major technology/skill to be transferred.

11. Training for Rural Youth 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
11.1	Crop Production	Vermicomposting	Low usage of organic manures		Importance of organic farming and vermicompost production	1	25	SMS(Agron).
11.2	Horticulture Production	Green house technology			Flower production in green house	1	30	SMS(Hort)
11.3	Livestock Production							
11.4	Home Science	Health and hygiene	Self employment	FLD	Awareness about Health and hygiene among adolescent girls	1	20	SMS (HS)
11.5	Plant Protection							
11.6	Production of Inputs at Site			--				
11.7	Soil Health and Fertility	Soil testing	Poor soil health	-	Importance of Soil Testing and Balanced Nutrient Application in Crop Production	2	30	SMS(Agron).PC, SMS(PP)
11.8	PHT and value addition	Value addition	Self-employment	EDP	Value addition in Jack fruit- Branding and market linkage	1	20	SMS (HS)
11.9	Capacity Building Group Dynamics							
11.10	Farm Mechanization	Coconut	Labour scarcity and difficulty in harvesting	--	Formation of youth clubs to take coconut harvesting as income generating activities	1	25	PC, SMS (PP)
11.11	Fisheries Production Technologies							
11.12	Mushroom production	Mushroom production	Self-employment		Promoting mushroom production as an income source	1	20	PC
11.13	Agro forestry							
11.14	Bee Keeping	Bee keeping	Self-employment		Promotion of bee keeping as an additional income source	1	20	SMS (Seri)
11.15	Sericulture							
	Others, pl. specify							

* Title of intervention/title of technology, ** Training title should specify the major technology/skill to be transferred.

12. Training for Extension Personnel during 2015-16

SI.No.	Thematic area	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
12.1	Crop Production	Improved production technology in Field crops, oilseeds and pulses	1	20	SMS(Agron).PC,SMS(PP)
12.2	Home Science	Supplementary feeding programmes for anganwadi teachers	1	40	SMS(Home Sci), SMS(Seric)
12.3	Capacity Building and Group Dynamics				
12.4	Horticulture	Plasti-culture application in horticulture	1	20	SMS(Hort).PC,SMS(PP)
		Construction design and management of polyhouse	1	20	SMS(Hort).PC
		Design installation and maintenance of drip and sprinkler irrigation in horticultural crops	1	20	SMS(Hort).PC
12.5	Livestock Production & Management				
12.6	Plant Protection	Pest and disease management in field crops	1	20	SMS(PP) &PC
		Pest and disease management in important fruit and vegetable crops	1	20	SMS(PP) &PC
12.7	Farm Mechanization				
12.8	PHT and value addition	Value addition in mango	1	20	SMS (HS)
12.9	Production of Inputs at Site				
12.10	Sericulture	INM in mulberry for sustainable soil health and leaf production	1	25	SMS (Seric)
12.11	Fisheries				

* Title of intervention/title of technology, ** Training title should specify the major technology/skill to be transferred.

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 (SHGs, NYKs, School students, Women, Youth etc.)	Expected No. of participants	Sponsoring agency if any	Names of the team members involved
13.1	Crop production	Vermicompost production technology	1 (3days)	Youth	20	NYK	SMS (Agron.)
13.2	Home science	Paper bag making	1 (2days)	SHGs	20	CDPO	SMS (Home Sci)
13.3	Capacity Building and Group Dynamics						
13.4	Horticulture	Propagation in important horticultural crops	1(2 days)	Youth	20	NYK	SMS (Horti)
13.5	Livestock Production & Management						
13.6	Plant Protection						
13.7	Farm Mechanization						
13.8	PHT and value addition						
13.9	Production of Inputs at Site						
13.10	Sericulture	Biocraft preparation from pierced cocoon	1(2days)	Youth	20	DOS, Kolar	SMS (Seri)
13.11	Fisheries						

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	Improved production technology in Kharif and Rabi crops	1	Youth	50	KSDA	SMS (Agro)
14.2	Home Science						
14.3	Capacity Building and Group Dynamics						
14.4	Horticulture	Organic cultivation of fruits and vegetables and certification	1	Youth	50	KSDH	SMS(Hort), SMS(Agron)
14.5	Livestock Production & Management						
14.6	Plant Protection						
14.7	Farm Mechanization						
14.8	PHT and value addition						
14.9	Production of Inputs at Site						
14.10	Sericulture						
14.11	Fisheries						

* Programme title should specify the major technologies/skills to be transferred /refreshed.

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	150	300	All KVK staff
15.2	Diagnostic Visits	40	80	All KVK staff
15.3	Field Day	08	250	All KVK staff
15.4	Group Discussions	15	100	All KVK staff
15.5	Kisan Gosthi			
15.6	Film Show	10	500	All KVK staff
15.7	Self -Help Groups	05	50	All KVK staff
15.8	Kisan Mela	01	2000	All KVK staff
15.9	Exhibition	03	600	All KVK staff
15.10	Scientists' Visit to Farmers Field	120	200	All KVK staff
15.11	Plant/Soil Health/Animal Health Camps	06	400	All KVK staff
15.12	Farm Science Club	02	40	All KVK staff
15.13	Ex-Trainees Sammelan	02	40	All KVK staff
15.14	Farmers' Seminar/Workshop	05	150	All KVK staff
15.15	Method Demonstrations	12	200	All KVK staff
15.16	Celebration of Important Days	04	200	All KVK staff
15.17	Special Day Celebration	02	150	All KVK staff
15.18	Exposure Visits	02	80	All KVK staff
15.19	Technology Week,	01	500	All KVK staff
15.20	Farmers Field School (FFS)	01	20	All KVK staff
15.21	Farm Innovators Meet	01	20	All KVK staff
15.22	Awareness Programs	05	250	All KVK staff
	Others, pl. specify			

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	--	--	--
16.1.2	Demonstration Units	Rain water harvesting structure, moisture conservation measures, vermicompost unit	03	All KVK staff
16.1.3	Lab Analytical services	--	--	--
16.1.4	Technology Week	High density planting and protected cultivation	01	All KVK 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 2015-16	Names of the team members involved
16.2.1	Seeds	--	Drum stick seeds	5 kg	Farm manager, PC
16.2.2	Planting materials		Drum stick seedlings	5000 nos.	Farm manager, PC
16.2.3	Bioproducts				
16.2.4	Livestock strains				
16.2.5	Fish finger links				
	Others (mango special)	-	Mango special	2 tonnes	SMS (PP), PC & Tech. Asst

16.3 Technological Information

	Category	Technological capsules / Number	Names of the team members involved
16.3.1	Technology backstopping to line departments		
	Agriculture		
	Horticulture		
	Animal Husbandry		
	Fisheries		
	Agricultural Engineering		
	Sericulture		
	Others, pl. specify		
16.3.2	Literature/publication	17	All KVK staff
16.3.4	Electronic Media	06	All KVK staff
16.3.5	Kisan Mobile Advisory Services	250	All KVK staff
16.3.6	Information on centre/state sector schemes and service providers in the district.		

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	KVK, Kolar	Awareness campaigns on soil health	Awareness campaigns will be organized at every hobali of the district	1 lakh	SMS (Agron.), PC, Farm manager & Tech. Asst.

18. Revolving Fund

18.1 Financial status

Opening balance as on 01.04.2013 (Rs.in Lakh)	Expenditure incurred during 2013-14 (Rs.in Lakh)	Receipts during 2013-14 (Rs.in Lakh)	Closing balance as on 31.01.2014 (Rs.in Lakh) (31.07.201)	Expected closing balance by 31.03.2015 (Including value of material in stock/ likely to be produced)
-	-	-	1,00,000	2,68,420

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	Mango special	2,000kg	2,00,000	SMS (PP), PC
18.2.2	Production of mulberry saplings	25,000 Nos	10,000	SMS (Seri), Farm manager

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

Sl.No.	Type	No. of samples to be analyzed	Names of the team members involved
19.1	Soil		
19.2	Water		
19.3	Plant		
19.4	Others		

20. E-linkage during 2015-16

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	July, 2015	
20.3	Any other (Please specify) Web site of KVK	May, 2015	
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?	Yes/ No
22.2	If Yes likely month of the meet	
22.3	Brief action plan in this regard	

23. Farmers Field School (FFS) planned :-Nill-

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

24. Budget - Details of budget utilization (2014-15) up to 31 January 2014

(Rs.)

S. No.	Particulars	Sanctioned	Released	Expenditure
24.1	Recurring Contingencies			
24.1.1	Pay & Allowances	57.50	57.50	6730203
24.1.2	Traveling allowances	0.75	0.75	94600
24.1.3	Contingencies			866697
24.1.4.	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance	0.40	0.40	91289
A				
B	POL, repair of vehicles, tractor and equipments	1.50	1.50	282948
C	Meals/refreshment for trainees	0.20	0.20	66740
D	Training material	0.20	0.20	165803
E	Frontline demonstration except oilseeds and pulses	1.90	1.90	161687
F	On farm testing	0.40	0.40	49951
G	Training of extension functionaries	0.10	0.10	8690
H	Extension Activities	0.10	0.10	38201
I	Farmers Field School	0.10	0.10	0
J	Library	0.00	0.00	1388
	IFS	0.10	0.10	0
24.1	Total Recurring	63.25	63.25	7691500
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	0.00	0.00	0.00
24.3	REVOLVING FUND			
24.4	GRAND TOTAL (A+B+C)	63.25	63.25	7691500

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	77.00
25.1.2	Traveling allowances	1.50
25.1.3	Contingencies	12.76
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	1.50
B	POL, repair of vehicles, tractor and equipments	2.50
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1.25
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	1.75
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	2.00
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	1.21
G	Training of extension functionaries	0.50
H	Maintenance of buildings	-
I	Establishment of Soil, Plant & Water Testing Laboratory	-
	IFS	0.50
	Extension Activities	1.50
J	Library	0.05
25.1	TOTAL Recurring Contingencies	91.26
25.2	Non-Recurring Contingencies	
25.2.1	Works	265.65
25.2.2	Equipments including SWTL & Furniture	9.78
25.2.3	Vehicle (Tractor and accessories)	11.69
25.2.4	Library (Purchase of assets like books & journals)	0.10
25.2	TOTAL Non-Recurring Contingencies	287.22
25.3	REVOLVING FUND	-
25.4	GRAND TOTAL	378.48

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