

**UNIVERSITY OF AGRICULTURAL SCIENCES
DHARWAD**



**ACTION PLAN REPORT
(2014-15)**

**KRISHI VIGYAN KENDRA
HANUMANAMATTI – 581 115
RANEBENNUR (Tq.), HAVERI (Dt.)
KARNATAKA**

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ZONAL PROJECT DIRECTORATE – ZONE VIII BANGALORE
ACTION PLAN OF KVKs IN ZONE VIII FOR 2014-15

1. General information about the Krishi Vigyan Kendra

1.1	Name and address of KVK with Phone, Fax and e-mail	:	Krishi Vigyan Kendra ,Hanumanamatti,Ranebennur Taluk, Haveri District, Karnataka State Ph: 08373-253524 Fax: 08373-253524 Email: kvk_haveri@rediffmail.com www.kvkhaveri.org
1.2	Name and address of host organization	:	University of Agricultural Sciences, Dharwad 0836- 2447783 91-836-2745276 vc_uasd@rediffmail.com
1.3	Year of sanction	:	1976
1.4	Website address of KVK and date of last update	:	www.kvkhaveri.org and last updated on 29.01.2014

2. Details of staff as on date 20.03.2014

Sl.No.	Sanctioned post	Name of the incumbent	Discipline	Existing Pay band	Grade Pay	Date of joining	Permanent
2.1	Programme Coordinator	D.S.M. Gowda	Ag. Engg.(SWCE)	37400-61000	9000	09.06.11	Permanent
2.2	Subject Matter Specialist	S.A. Ashtaputre	Plant Pathology	37400-61000	9000	11.06.11	Permanent
2.3	Subject Matter Specialist	S.Y. Mukartal	Animal Science	15600-39100	6000	06.07.09	Permanent
2.4	Subject Matter Specialist	G. R. Rajakumar	Soil Science	15600-39100	6000	12.07.11	Permanent
2.5	Subject Matter Specialist	Geeta S.Tamgale	Home Science	15600-39100	6000	01.07.09	Permanent
2.6	Subject Matter Specialist	Vacant	Agronomy	-	-	-	-
2.7	Subject Matter Specialist	Vacant	Horticulture	-	-	-	-
2.8	Programme Assistant	Mallikarjun A. G.	Programme Assistant (Lab. Tech.)	9300-34800	4200	26.02.09	Permanent
2.9	Programme Assistant	Rekha K. N.	Programme Assistant (Computer)	9300-34800	4200	12.11.08	Permanent
2.10	Farm Manager	Sairabanu M	Farm Manager	9300-34800	4200	02.07.09	Permanent
2.11	Assistant	Vacant	-	-	-	-	-
2.12	Supporting staff Grade-III	Saroja B. Talawar	Supporting staff Grade-III	16000-29600	-	06.11.09	Permanent
2.13	Driver 1	Mahesh L.M.	Driver	11600-21000	-	12.07.06	Permanent
2.14	Driver 2	P.C. Kunbevin	Driver	11600-21000	-	07.06.98	Permanent
2.15	Supporting staff Grade-I	C. V. Nelogal	Supporting staff Grade-I	10400-16400	-	02.11.98	Permanent
2.16	Supporting staff Grade-II	K. B. Belakeri	Supporting staff Grade-II	10400-16400	-	01.07.02	Permanent

3. Details of SAC meeting conducted during 2013-14

Sl. No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC
	30.07.2013			June-2014

3.1.1	Suitable proposal on Custom hiring Centre has to be submitted along with inclusion of one more paddy transplanter , reaper and weeder																																																															
	Submitted the proposal for 11 items. Received sanction for 10 items of total cost Rs. 6,42,100																																																															
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3.1.2	Conduct various activities on Mango crop as its area is increasing in the district																																																															
	Five demonstrations on mango special have been taken up in Karegudri village of Hangal taluka during 2013-14 under RKVY, Project																																																															
3.1.3	Establish kitchen garden, side by KVK, take similar kitchen garden models at farm households farmers fields.																																																															
	Established the kitchen garden at KVK and taken up 10 demonstrations in farmers field in Kakol, Mottebennur and Akkialur																																																															

3.1.4	Conduct more extension activities on soil moisture conservation items like Hydro gel						
	Requested the source to provide material						
3.1.5	Take up NRM related programmes						
	Under Progress						
3.1.6	Collect and analyze soil samples from different villages in the district and complete the work in two taluks with the joint co-ordination of Joint Director of Agriculture and provide soil health cards to farmers.						
	<ul style="list-style-type: none"> Submitted the project through the university for funding under ATMA, Department of Agriculture, Haveri Reply not yet received 						
3.1.7	Nutrient status map of the district has to be prepared and displayed at the centre as many number of soils have been analyzed.						
	Yet to prepare. Soon it will be prepared						
3.1.8	Submit complete information to advisory committee regarding technological products produced from the centre, bio products, plants, seeds and others samples.						
	Technological products produced from the centre, bio products, plants, seeds and others samples from April-13 to January-14						
	Type	Particulars	Variety	Procurement(Q)	Farm Produced (Q)	Total (qty)	
	Seed (Qtl)	Foxtail millet	HMT-100-1	-	0.75	0.75	
		Groundnut		GPBD-4	9.70	12.40	22.40
				GPBD-5	22.40	5.04	27.44
				K-6	-	1.50	1.50
				G-2-52	-	0.75	0.75
				JS-9305	-	3.00	3.00
		Soyabean		Dsb-21	-	0.80	0.80
				S-4	-	2.00	2.00
			Blackgram	DU-1	-	0.70	0.70
			Jowar	SSV-74	-	0.90	0.90
			Maize	SAT	-	0.8	0.80
			Little millet	Sukshema	-	10.00	10.00
			Foxtail millet	HMT 100-1	-	1.00	1.00
			Redgram	BMR-736	-	10.00	10.00
			Horsegram	GPM-6	-	1.00	1.00
		Sunhemp	Local	-	1.00	1.00	

		Seedlings (Nos.)	Curry leaf	Suvasini		2770	2770
			Pigeon pea	BSMR 736		11000	11000
			Sugarcane	SNK7680	-	230	230
				CO 86032	-	365	365
				7332	-	225	225
				632	-	1130	1130
			Sapota	DSH-1		427	427
				DSH-2		160	160
		Tamarind	-		30	30	
		Vegetable (Qtl)	Cluster bean	IIHR		0.05	0.05
			French bean	IIHR		0.1	0.1
			Ladies finger	IIHR		0.1	0.1
			Pumpkin	IIHR		0.25	0.25
			Tomato	IIHR		0.38	0.38
		Bio Agents (Qtl)	Trichoderma	-		0.73	0.73
		Leafy Vegetables (Nos.)	Amaranthus	IIHR		20	20
			Coriander	Local		20	20
Sabbasage	Local			23	23		
3.1.9	Provide messages to selected farmers through mobile, electronic and printed medias.						
	Mobile	Text (SMS)	Thematic areas		No. of SMS	No. Of Farmers	
			Animal Disease Management		7	10722	
			Information		5	7627	
			Integrated Disease Management		3	4607	
			Integrated Pest Management		6	9489	
			Market		12	19760	
			Others		2	3208	
			Training		3	4674	
			Weather Forecasting		1	150	
		Integrated Nutrient Management		1	1534		
Text Total		40	61771				

			Animal Disease Management	2	523
			Bio control of pests and diseases	1	110
			Information	2	296
			Integrated Disease Management	5	992
			Integrated Pest Management	5	912
		Voice call	Nutrient use efficiency	1	110
			Training	1	272
			Integrated Crop Management	2	496
			Integrated Nutrient Management	3	556
			Awareness	2	296
			Varietal information	2	296
			Voice Total	26	4859
			Total	66	66630
	Printed media	Popular articles	Halavu mukhagala halasu	02	-
			Akasmikadinda Laksha laksha galisida dalimbe belegara		-
		Bulletin	Shenga bele besaya hagu maulyavardane	01	-
		Leaf lets	Hatti mattu govina jola belegala pramuka keeta mattu rogakala nirvahane kramagalu	01	-
	Electronic media	TV Show	High yielding millet Varieties	01	-
			Processing and Value addition in millets	01	-
			Sheep breeds and management	01	-
		Radio	Drudgery reduction technologies for rural people	01	-
3.1.10	Complete information has to be collected and submitted on paddy and maize based cropping system of Hangal taluk in the district.				
	Paddy based cropping system : Paddy + Greengram, Bengalgram in Paddy Maize based Cropping system : Maize + Greengram, Bengalgram, Groundnut Cotton based cropping system: Cotton+ Rabi sorghum, Maize (irrigation)+ Bengalgram				
3.1.11	Conduct IGAs for farm women by conducting extension activities on value addition to millets, food security, nutrient security and designer foods.				
	Training to farm women on theme areas like food security, nutritional security and importance of kitchen garden have been conducted.				

3.1.12	Conduct training on sheep rearing, fodder enrichment, feed production and value addition under ATMA Project for skill development,
	Conducted five training programs for SHGs groups in Guttal, Kabbur and DATC, Devihosur
3.1.13	Give importance to better utilization of fodder by taking silage concept demonstration developed by Baramati KVK.
	OFT has been planned for 2014-15.
3.1.14	While conducting FLD take up complete package demonstration, formulate OFT & identify suitable Groundnut variety to rainy season.
	<ul style="list-style-type: none"> • While implementing FLD complete package technology demonstration through trainings was given. • OFT was conducted during 2013-14 to identify the suitable groundnut variety and it is continued for this year also.
3.1.15	While conducting field activities in maize, take up soil sample collection and analyze based on which micronutrient usage has to be stressed.
	<ul style="list-style-type: none"> • Soil samples were collected and analysed • OFT was conducted at Kulenoor to emphasize Micro nutrient usage in Maize crop based on soil test
3.1.16	Since the sugarcane area is increasing in the district (SSI) Sustainable Sugarcane Intensification model has to be adopted by obtaining technology from Tamil Nadu KVK (TNAU)
	Seedling raising technique in sugarcane using single eye bud cutter was taken up during 2013-14. The SSI technology has been proposed as FLD in 2 ha during 2014-15
3.1.17	Before presenting the KVK report in front of SAC members, Mock presentation before SMS is required.
	Action will be taken
3.1.18	Conduct more programmes on market led extension and innovations by rural home scientist.
	Purchase of materials is under progress

4. Capacity Building of KVK Staff

4.1. Plan of Human Resource Development of KVK personnel during 2014-15

S. No	New Areas of Training	Institution proposed to attend	Justification
4.1.1	RS and GIS (21 days)	NRSA, Nagpur	Futuristic approach
4.1.2	Carbon sequestration (21 days)	CRRRI, Katak	Educate farmers on Carbon management
4.1.3	<ul style="list-style-type: none"> • Dynamic web page designing • Technology model development • Multimedia designing 	-	Needs up gradation
4.1.4	Personality development	KKID, Coimbatore	Personality development
4.1.5	Extension methodologies in Animal husbandry	NAARM, Hyderabad	Up gradation of knowledge
4.1.6	Live stock production and management	IVRI, Izathnagar	To upgrade the knowledge in Animal science
4.1.7	Animal Genetics and breeding	NDRI, Karnal	To get the advance knowledge in Animal breeding
4.1.8	Building alliance through team ship	KKID, Coimbatore	To build team building skills
4.1.9	Value addition to minor millets	CFTRI, Mysore	To learn value addition technologies
4.1.10	Process documentation for development personnel	NAARM, Hyderabad	To learn documentation techniques for KVK activities

4.2. Cross-learning across KVKs during 2014-15

S. No	Name of the KVK proposed	Specific learning areas
4.2.1	Within ring – KVK, Gadag	Skills in extension training, Value addition to Minor millets and Amla
4.2.2	Within the zone – KVK, Dharmavaram	Precision farming
4.2.3	Outside zone – KVK, Baramati	Soil data management and software
4.2.4	Outside zone – KVK, Namakkal	New technologies in animal science
4.2.5	Within zone – KVK, Shimoga	Sharing of knowledge in animal science
4.2.6	Within ring – KVK, Bijapur	Skills in extension training
4.2.7	Within ring - KVK, Dharwad	Formation of commodity groups
4.2.8	Within ring - KVK, Sirsi	Seeds, planting materials, fodder slip, cultivation practices of Arecanut and medicinal aromatic plants.
4.2.9	Within the zone – KVK, Chitradurga	Skills in extension training & Soil analysis

5. Proposed cluster of KVKs to be formed for sharing knowledge/expertise, resources and activities during 2014-15

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, Gadag	Extension skills, dry land agriculture, seeds, millets processing & Animal Science	Extension skills, dry land agriculture, seeds
5.2	KVK, Davanagere	Seeds, fertilizer, seedlings, Banana special and Animal Science	Seeds, fertilizer, seedlings
5.3	KVK, Shimogga	Seeds, transplanting technology in rice and Animal Science	Seeds, transplanting technology in rice
5.4	KVK, Uttara Kannada	Seeds, planting materials, fodder slip, cultivation practices of Arecanut and medicinal aromatic plants.	Seeds, seedlings, fodder
5.5	KVK, Dharwad	Seeds, seedlings, green house technology, value addition and Animal Science	Seeds, seedlings, green house technology
5.6	KVK, Hiriyur	Soil management skills & farmers contact	Ways & Means Farmers contact for impact study of soil testing

6. Operational areas details proposed during 2014-15

S. No.	Major crops & enterprises	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages	Proposed Intervention
6.1	Groundnut	<ul style="list-style-type: none"> To check the suitability of new High yielding varieties G2-52 Decreasing productivity in groundnut due to usage of old varieties 	Nil	• Kusagur	OFT
6.2	Groundnut	<ul style="list-style-type: none"> To check the suitability of new improved varieties (Dh-101) Decreasing productivity in groundnut during summer season 	Nil	• Masur	OFT
6.3	Maize	Poor soil fertility & variations in yield levels (40-60 q/ha) Current yield : 50.0 q/ha Potential yield : 75.0 q/ha	200 ha	• Kulenur	OFT
6.4	Sunflower	P Deficiency & poor seed setting, variation in yield from field to field Current yield : 15.0 q/ha Potential yield : 20.0 q/ha	200 ha	• Kummur	OFT
6.5	Paddy	<ul style="list-style-type: none"> Scarcity of water Current yield : 15.0 q/ha Potential yield : 25.0 q/ha	5000 ha	• Karegudri	FLD
6.6	Soybean	<ul style="list-style-type: none"> Lack of awareness on new varieties Incidence of rust Current yield : 13.0 q/ha Potential yield : 18.0 – 20.0 q/ha	2000 ha	• Shankarikoppa	FLD
6.7	Groundnut (K)	<ul style="list-style-type: none"> Low yield Lack of awareness on new varieties 	5000 ha	• Shankarikoppa	FLD

S. No.	Major crops & enterprises	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages	Proposed Intervention
		<ul style="list-style-type: none"> • Labour Scarcity Current yield : 15.0 q/ha Potential yield: 25.0 - 30.0 q/ha			
6.8	Groundnut (R)	<ul style="list-style-type: none"> • Low yield • Lack of awareness on new varieties • Labour Scarcity Current yield : 16.0 q/ha Potential yield: 25.0 – 30.0 q/ha	5000 ha	• Medleri	FLD
6.9	Pigeonpea	<ul style="list-style-type: none"> • Erratic rainfall • Ensured early sowing Current yield : 4.25 q/ha Potential yield : 7.50 q/ha	1000 ha	• Kumur	FLD
6.10	Chickpea	<ul style="list-style-type: none"> • Low yield • Incidence of wilt (12%) • Lack of awareness on new varieties Current yield : 5.0 q/ha Potential yield : 8.0 q/ha	3500	• Medleri	FLD
6.11	Sugarcane (R/S)	<ul style="list-style-type: none"> • Indiscriminate use of fertilizers • Trash burning • Rat damage to ratoon cane Current yield : 75 t/ha Potential yield: 150 t/ha	500 ha	• Hirehalli	FLD
6.12	Sugarcane (R/s)	Low yield (40 t/ac) Pot (100 t/ac) <ul style="list-style-type: none"> • Direct planting mortality is more (around 3 to 4 t/ac) • Number of tillers/plant is less • Accessibility to air and sunlight is less • No. uniformity among the plants 	300 ha	• Karegudri	FLD
6.13	Cotton (K)	<ul style="list-style-type: none"> • Indiscriminate use of fertilizers • Sucking pests (24%) • Shoot Weevil (15%) • Mirid bug (25%) Current yield : 10 q/ha Potential yield : 20 q/ha	200 ha	• Chatra	FLD

S. No.	Major crops & enterprises	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages	Proposed Intervention
6.14	Cabbage	<ul style="list-style-type: none"> • Diamond back moth, foot rot & Black rot • Un scientific nutrient management Current yield : 100 q/ha Potential yield : 150 q/ha	50 ha	• Chatra	FLD
6.15	Onion	<ul style="list-style-type: none"> • Use of local varieties Current yield : 120 q/ha Potential yield: 250 q/ha	100 ha	• Ennihosalli	FLD
6.16	Onion	Purple blotch (21%) Current yield : 120 q/ha Potential yield: 250 q/ha	250 ha	• Kakol	FLD
6.17	Dairy	<ul style="list-style-type: none"> • Reduced milk yield (4 lit/Animal) • Reduced fat (2 %) 	40%	• Chatra	FLD

7. Technology Assessment during 2014-15

S. No.	Crop	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	Groundnut	Decreasing productivity in groundnut due to long dry spells in <i>Kharif</i> season	Assessment of Groundnut variety G2-52	Cultivation of TMV-2	-	-	-	8,000	05	40,000	<ul style="list-style-type: none"> • Soil fertility / NPK status • No. of pods per plant • Seed weight (100 kernels) • Duration(days) • Pod yield (q/ha) • PDI (%) • Shelling (%) 	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Pl. Path.) • SMS (Home Sci.) • SMS (Soil Sci.)
				Cultivation of GPBD-4	UAS, Dharwad	Seeds (pods)	0.50 q					
						Trichoderma	500 gm					
				Assessment of G2-52	UAS, Dharwad	Seeds (pods)	0.50 q					
						Trichoderma	500 gm					
				7.2	Groundnut	To check the suitable variety for R/S	Assessment of Groundnut variety Dh-101					
Cultivation of GPBD-5	UAS, Dharwad	Seeds (pods)	0.50 q									
		Trichoderma	500 gm									
Assessment of Dh-101	UAS, Dharwad (All India released)	Seeds (pods)	0.50 q									
		Trichoderma	500 gm									
7.3	Maize	Poor soil health management	Assessment of yield levels of maize under different soil health conditions (indicators : Soil pH, Organic Carbon, P & K status)					Ordinary compost application. No management of soil health	Farmers practice	-	-	3,125
				Soil test based nutrient management	UASD	Initial Soil testing	01 No.					
				Production and application of enriched compost as per Soil testing (@ 2 t per ½ acre)	IARI, NEWS letter (July-Sept-2008)	Soil testing after harvest	03 No.					
						Rock Phosphate	250 kg					

S. No.	Crop	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	Sunflower	P Deficiency & poor seed settings	Supplement of P in P Deficient Fields for sunflower through enrichment of compost by Rock phosphate and PSB	FP(Ordinary Compost application , No soil test based P management)	Farmers practice	-	-	3,400	04	13,600	<ul style="list-style-type: none"> • Soil parameter s (Initial & after harvest) • Seed yield (q/ha) • Nutrient budgeting 	<ul style="list-style-type: none"> • SMS (Soil Science) • Prog. Asst. (Soil Science)
				Soil Test based Nutrient Management)	UAS, Dharwad	Soil testing (Initial & after harvest)	2 Nos.					
				Production & Application of P enriched compost as per soil test value	<ul style="list-style-type: none"> • KVK Soil Data • ICAR News letter July-Sept., 2008 	Rock Phosphate	2.5 q					
PSB	2 kg											

No. of OFTs: 04

Total Amount : Rs. 1,24,850 /-

8. Technology refinement during 2014-15 : Nil

9.Frontline Demonstrations during 2014-15

S. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Hybrid /Variety	Name of the Hybrid /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	Paddy	Scarcity of water Current yield 15.0 q/ha Potential yield:25 q/ha	Aerobic rice cultivation	Hybrid	MAS-26 MAS-946-1	UAS, Bangalore	Seeds	3kg	500	03	1500	<ul style="list-style-type: none"> No. of tillers/plant Grain yield (q/ha) Fodder yield(t/ha) Quantity of water saving PDI (%) Economics 	<ul style="list-style-type: none"> PC (Ag. Engg.) SMS (Pl. Path.) SMS (Soil Sci.)
9.2	Oilseeds	Soybean	<ul style="list-style-type: none"> Lack of awareness on new varieties Incidence of rust Current yield 13.0 q/ha Potential yield:18 q/ha	Introduction of Soybean variety Dsb-21	Variety	Dsb-21	UAS Dharwad	Seeds	25 kg	2000	10	20000	<ul style="list-style-type: none"> Yield (q/ha) PDI (%) Economics Value addition 	<ul style="list-style-type: none"> PC (Ag. Engg.) SMS (Pl. Path.) SMS (Home Sci.)
		Groundnut (K)	<ul style="list-style-type: none"> Low yield Lack of awareness on new varieties Labour Scarcity Current yield :15.0 q/ha Potential yield:25.0 q/ha	Introduction of Groundnut variety GPBD-5	Variety	GPBD-5	UAS Dharwad	Pods	50 kg				4500	10
								Rhizobium	500 gm					
								Trichoderma	500 gm					
								Soil Testing	1 No					
		Groundnut (S)	<ul style="list-style-type: none"> Low yield Lack of awareness on new varieties Labour Scarcity Current yield: 16.0 q/ha Potential yield:25.0 q/ha	Introduction of Groundnut variety GPBD-5	Variety	GPBD-5	UAS Dharwad	Seeds (Pods)	50 kg	4500	10	45000	<ul style="list-style-type: none"> Soil status Yield(q/ha) No. of pods/plant 100 seed weight (g) PDI (%) Economics Labour saved (Man days) 	<ul style="list-style-type: none"> PC (Ag. Engg.) SMS (Pl. Path.) SMS (Soil Sci.) SMS (Home Sci.)
Rhizobium	500 gm													
Trichoderma	500 gm													
Soil Testing	1 No													

S. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Hybrid /Variety	Name of the Hybrid /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
9.3	Pulses	Pigeonpea	<ul style="list-style-type: none"> • Erratic rainfall • Ensured early sowing Current yield : 6.7 q/ha Potential yield:11.0q/ha	Transplanting technique in Pigeonpea	Variety	BSMR-736	UAS, Raichur	Seedlings	1250 Nos.	4000/-	05	20000	<ul style="list-style-type: none"> • Soil status • Yield (q/ha) • Seed weight • No. of branches/plant • No. of pods/plant • PDI (%) • Value addition 	<ul style="list-style-type: none"> • SMS (Soil Sci.) • PC (Ag. Engg.) • SMS (Home Sci.)
								Seeds	25 kg					
								Soil Testing	1 No					
		Chickpea	<ul style="list-style-type: none"> • Low yield • Incidence of wilt (12%) • Lack of awareness on new varieties Current yield : 5.0 q/ha Potential yield: 8.0 q/ha	Introduction of Chickpea variety BGD-103	Variety	BGD-103	UAS Dharwad	Seeds	25 kg	2000	12	24000	<ul style="list-style-type: none"> • Soil status • No. of pods /plant • 100 seed weight (g) • PDI (%) • Yield (q/ha) • Economics • Drudgery reduction 	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Pl. Path.) • SMS (Home Sci.)
								Rhizobium	500 gm					
								Trichoderma	500 gm					
9.4	Commercial crops	Sugarcane	<ul style="list-style-type: none"> • Indiscriminate use of fertilizers • Trash burning • Rat Damage Current yield :62.48t/ha Potential yield: 100 t/ha	Soil fertility and trash management in ratoon sugarcane	Variety	CO-86032	UAS Dharwad	Soil testing	01No.	2900	15	43500	<ul style="list-style-type: none"> • Physical & Chemical Properties of soil • Duration for composting (Days) • Cane yield (t/ha) • Economics 	<ul style="list-style-type: none"> • SMS (Soil Sci.) • PC (Ag. Engg.) • SMS (Pl. Path.) • SMS (Animal Sci.)
								Urea	20 kg					
								SSP	20 kg					
								Bio-culture	2 kg					
								Phosphate bait	10 nos.					
								Trash crushing by machine	1 acre					
		Sugarcane	<ul style="list-style-type: none"> • Low yield (40-50 t/ac) • Higher mortality in Direct planting • Number of tillers/plant is less • Accessibility to air and sunlight is less • No. uniformity among the plants 	Sustainable Sugarcane Initiative (SSI)	Variety	SNK-07680	WTC, TNAU Coimbatore	Seedlings	5000 No.	25000	03	75000	<ul style="list-style-type: none"> • Soil status • Plant height (cm) • No. of tillers • Plant population (no.) • Cane girth (cm) • Single cane weight (kg) • Yield(t) • Time & labour saved • Germination (%) 	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Home Sci.) • SMS (Soil Sci.)
								Soil Testing	1 No					
								Single eye bud cutter	1 No					

S. No.	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Hybrid /Variety	Name of the Hybrid /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	
		Cotton	<ul style="list-style-type: none"> Indiscriminate use of fertilizers Sucking pests (24%) Shoot Weevil (15%) Mirid bug (25%) Current yield : 12 q/ha Potential yield: 19 q/ha	ICM in Bt-Cotton	Hybrid	Bt-Cotton	UAS Dharwad	Soil testing	01 No.	4850	10	48500	<ul style="list-style-type: none"> Soil status Flower and square drop Yield (q/ha) Pest Incidence (%) Leaf redding (%) Flower dropping (%) Economics 	<ul style="list-style-type: none"> SMS (Pl. Path.) SMS (Soil Sci.) 	
								Azospirillum	500 g						
								PSB	500 g						
								Planofix	250 ml						
								MgSO ₄	2 kg						
								Neem based pesticide	3 lt						
								Monocrotophos	1.5 lt						
								Trizophos	1.5 lt						
								Imidachloprid	0.4 lt						
								Acetamiprid	250 g						
9.5	Horticultural crops	Cabbage	<ul style="list-style-type: none"> Diamond backmoth & Black rot Un scientific nutrient management Current yield : 100 q/ha Potential yield : 150 q/ha	ICM in Cabbage	Hybrid	Sunny	UAS, Dharwad	Neem oil	2 lt	2100	10	21000	<ul style="list-style-type: none"> Soil status Head Yield (q/ha) PDI (%) at different stages 	<ul style="list-style-type: none"> SMS (Pl. Path.) SMS (Soil Sci.) 	
								COC	1 kg						
								Streptomycine sulphate	100 gm						
								Soil testing	01 No.						
		Onion	<ul style="list-style-type: none"> Use of local varieties Current yield : 120 q/ha Potential yield: 250 q/ha	Introduction onion variety of Arka Kalyan	Variety	Arka Kalyan	IIHR, Bangalore		Seeds	4 kg	3500	10	35000	<ul style="list-style-type: none"> Bulb weight (gm) Yield (q/ha) PDI (%) 	<ul style="list-style-type: none"> PC (Ag. Engg.) SMS (Pl. Path.) SMS (Home Sci.)
									Difenconazole	0.5 ltr					
									Borosol	1 kg					
									Potassium nitrate	2 kg					
		Onion	Purple blotch (21%) Current yield :120 q/ha Potential yield:250 q/ha	Purple blotch disease management	Variety	Bellary Red	UAS Dharwad		Difenconazole	0.5 ltr	2000	10	20000	<ul style="list-style-type: none"> Soil status PDI (%) Yield (q/ha) 	<ul style="list-style-type: none"> SMS (Pl. Path.) SMS (Soil Sci.)
									Borosol	1 kg					
Potassium nitrate	2 kg														
Soil testing	01 No.														
9.6	Livestock	Dairy	<ul style="list-style-type: none"> Reduced milk yield (lit/Animal) Reduced fat (%) 	Supplementation of Probiotics in dairy animals	-	Cow	KVAFSU, Bidar	Saccharomyces cerevisiae	2.0 kg	700	10	7000	<ul style="list-style-type: none"> Milk yield (L) Fat (%) SNF (%) Body score 	<ul style="list-style-type: none"> SMS (Animal Sci.) SMS (Home Sci.) SMS (Soil Sci.) 	
								Lactobacill sporogenes							

No. of FLDs: 13

Total Amount: Rs. 4,05,500/-

10 Training for Farmers/ Farm Women during 2014-15

S.No.	Thematic area	Crop / Enterprise	Major problem	Linked field intervention	Training Course Title	No. of Courses	Expected No. of participants	Names of the team members involved
10.1	Crop Production	Soybean	<ul style="list-style-type: none"> Lack of awareness on new varieties Incidence of rust 	FLD	Recent advance in soybean cultivation	04	120	<ul style="list-style-type: none"> PC (Ag. Engg.) SMS (Home Sci.)
		Sugarcane	Low yield	FLD	SSI In Sugarcane	02	30	<ul style="list-style-type: none"> PC (Ag. Engg.) SMS (Home Sci.) SMS (Soil Sci.)
					Irrigation Methods for increased WUF	02	30	
		Paddy	Scarcity of water	FLD	Aerobic Rice cultivation	02	30	<ul style="list-style-type: none"> PC (Ag. Engg.) SMS (Pl. Path.) SMS (Soil Sci.)
					Water Saving techniques in agriculture	02	30	
10.2	Horticulture Production	Onion	Use of Local varieties	OFT	Agro techniques of onion production	04	120	<ul style="list-style-type: none"> PC (Ag. Engg.) SMS (Pl. Path.) SMS (Home Sci.)
		Chilli	Murda complex, Powdery mildew	-	IDM	02	50	<ul style="list-style-type: none"> SMS (Pl. Path.) SMS (Soil Sci.)
10.3	Livestock Production	Dairy	<ul style="list-style-type: none"> Reduced milk yield (lit/Animal) Reduced fat (%) 	FLD	Popularization of use of Pro biotics in dairy animals	02	30	<ul style="list-style-type: none"> SMS (Ani. Sci.)
		Fodder	<ul style="list-style-type: none"> Scarcity of green fodder 	-	Silage preparation for dairy animals	02	30	<ul style="list-style-type: none"> SMS (Animal Sci.)
		Fodder	<ul style="list-style-type: none"> Non availability of quality fodder seeds Cultivation of annual type of fodder with low yield Low nutritious fodder production 	-	Feed and fodder for dairy animals	05	35	<ul style="list-style-type: none"> SMS (Ani. Sci.) SMS (Home Sci.)
		Dairy	Foot and mouth disease	-	Control & prevention of FMD	03	70	<ul style="list-style-type: none"> SMS (Animal Sci.)
		Dairy	Infertility	-	Advance in animal reproduction	02	35	<ul style="list-style-type: none"> SMS (Ani. Sci.)
		Dairy	Tick infestation	-	Management of ecto parasites in cattle	04	35	<ul style="list-style-type: none"> SMS (Ani. Sci.)
		Sheep & Goat	Bacterial and viral diseases	-	Disease management in sheep & goat	02	25	<ul style="list-style-type: none"> SMS (Ani. Sci.)
		Poultry	Raniketh disease	-	Management of Raniketh disease in backyard poultry	03	25	<ul style="list-style-type: none"> SMS (Ani. Sci.)
Poultry	High cost of feed	-	Advances in Poultry Nutrition	03	25	<ul style="list-style-type: none"> SMS (Ani. Sci.) 		

S.No.	Thematic area	Crop / Enterprise	Major problem	Linked field intervention	Training Course Title	No. of Courses	Expected No. of participants	Names of the team members involved
10.4	Home Science	Drudgery reduction	Drudgery involved in Agriculture and Animal husbandry activities	-	Drudgery reducing technologies	10	300	<ul style="list-style-type: none"> • SMS (Home Sci.) • PC (Ag. Engg.) • SMS (Ani. Sci.)
		Nutritional Security	<ul style="list-style-type: none"> • Malnutrition • Fluctuating vegetable prices 	-	Kitchen garden for family food security	03	60	<ul style="list-style-type: none"> • SMS (Home Sci.) • PC (Ag. Engg.)
10.5	Plant Protection	Cotton	Indiscriminate use of fertilizer and pest problem	FLD	Integrated crop management in cotton	02	50	<ul style="list-style-type: none"> • SMS (Pl. Path.) • SMS (Soil. Sci.)
		Onion	Purple blotch (21%)	FLD	Disease management in onion	02	50	<ul style="list-style-type: none"> • SMS (Pl. Path.) • SMS (Soil Sci.)
		Bengalgram	Wilt	FLD	Foliar disease management	02	50	<ul style="list-style-type: none"> • SMS (Pl. Path.) • SMS (Soil. Sci.) • PC (Ag. Engg.)
		Sunflower	Powdery mildew	FLD	Major Foliar disease management	02	50	<ul style="list-style-type: none"> • SMS (Pl. Path.) • SMS (Soil. Sci.)
10.6	Production of Inputs at Site	Groundnut	Low seed quality	OFT & FLD	Seed production in Groundnut	05	125	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Pl. Path.) • SMS (Home. Sci.)
		Onion	Low yield Lack of awareness	OFT	Improved varieties in Onion	02	50	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Pl. Path.) • SMS (Home. Sci.)
		Soybean	Low yield Lack of awareness	FLD	Improved varieties & seed production	03	75	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Pl. Path.) • SMS (Home. Sci.)
		Chickpea	Low yield Lack of awareness	FLD	Improved varieties & seed production	03	75	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Pl. Path.) • SMS (Home. Sci.)
10.7	Soil Health and Fertility	Maize	Poor soil fertility and variations in yield from field to field	OFT	Soil fertility management for high yield	02	50	<ul style="list-style-type: none"> • SMS (Soil. Sci.) • SMS (Pl. Path.)
		Cotton	Poor nutrient management	FLD	Soil testing and nutrient management	04	100	<ul style="list-style-type: none"> • SMS (Soil. Sci.) • SMS (Pl. Path.)
		Pigeonpea	Erratic rainfall & poor yield	FLD	Transplanting technique in Pigeonpea & nutrient management	02	100	<ul style="list-style-type: none"> • SMS (Soil. Sci.) • SMS (Pl. Path.)

S.No.	Thematic area	Crop / Enterprise	Major problem	Linked field intervention	Training Course Title	No. of Courses	Expected No. of participants	Names of the team members involved
		Sunflower	Poor soil fertility and nutrient management	FLD	Nutrient management Soil fertility management	04	100	<ul style="list-style-type: none"> • SMS (Soil. Sci.) • SMS (Pl. Path.)
		Sugarcane	Poor yield and trash burning	FLD	Composting technology Soil test based fertilizer recommendation	04	100	<ul style="list-style-type: none"> • SMS (Soil. Sci.) • PC (Ag. Engg.)
		Onion	Purple blotch disease and twisting	FLD	Nutrient management in onion	02	50	<ul style="list-style-type: none"> • SMS (Soil. Sci.) • SMS (Pl. Path.)
		Cabbage	Poor nutrient management	FLD	Nutrient Management in Cabbage	02	50	<ul style="list-style-type: none"> • SMS (Soil. Sci.) • SMS (Pl. Path.)
10.8	PHT and value addition	Value addition	Lack of awareness and low returns from the crop produce	-	Value addition to crop produces	04	120	<ul style="list-style-type: none"> • SMS (Home Sci.) • PC (Ag. Engg.)
			Lack of awareness and low returns the live stock produce	-	Value addition to Live stock produces	02	60	<ul style="list-style-type: none"> • SMS (Home Sci.) • SMS (Ani. Sci.)
10.9	Capacity Building Group Dynamics	-	Lack of team spirit	-	Team building and group dynamics	01	30	<ul style="list-style-type: none"> • SMS (Home Sci.) • SMS (Ani. Sci.) • PC (Ag. Engg.)
10.10	Farm Mechanization	Groundnut	Labour scarcity, drudgery reduction, timely operation delayed	FLD	Mechanization in cultivation of Groundnut (K/R/S)	02	60	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Home Sci.)
		Sorghum	Labour scarcity, drudgery reduction, timely operation delayed	-	Mechanization in cultivation of Sorghum	01	30	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Home Sci.)
10.11	Fisheries Production Technologies	-	-	-	-	-	-	-
10.12	Mushroom production	-	-	-	-	-	-	-
10.13	Agro forestry	-	-	-	-	-	-	-
10.14	Bee Keeping	-	-	-	-	-	-	-
10.15	Sericulture	-	-	-	-	-	-	-
10.16	Others							
	Soil & water conservation	-	Loss of soil and water and effect on the soil fertility	-	Soil and water conservation techniques	03	75	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Soil Sci.)
	Seed production	Chickpea and Groundnut	Poor quality seeds	FLD	Quality seed production	02	50	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Pl. Path.)

11. Training for Rural Youth during 2014-15

S.No.	Thematic area	Crop / Enterprise	Major problem	Linked field intervention	Training Course Title	No. of Courses	Expected No. of participants	Names of the team members involved
11.1	Crop Production	Sugarcane	Low yield	FLD	SSI In Sugarcane	02	30	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Home Sci.) • SMS (Soil Sci.)
					Irrigation Methods for increased WUE	02	30	
		Paddy	Scarcity of water	FLD	Aerobic Rice cultivation	02	30	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Pl. Path.) • SMS (Soil Sci.)
					Water Saving techniques in agriculture	02	30	
		Organic manure	High cost of in-organic fertilizer	-	Production of organic manures	02	60	<ul style="list-style-type: none"> • SMS (Animal Sci.) • SMS (Soil Sci.)
11.2	Horticulture Production	Cabbage	Unscientific method of farming	FLD	ICM in Cabbage	02	30	<ul style="list-style-type: none"> • SMS (Pl. Path) • SMS (Soil Sci.)
11.3	Livestock Production	Dairy	Unscientific method of dairy farming	-	Recent approaches in dairy farming	02	30	<ul style="list-style-type: none"> • SMS (Animal Sci.) • SMS (Home Sci.) • SMS (Soil Sci.)
		Dairy	Foot and mouth disease	-	Control & prevention of FMD	03	70	<ul style="list-style-type: none"> • SMS (Animal Sci.)
		Poultry / Sheep / Goat	Unemployment	-	Poultry farming / Sheep and Goat rearing	05	30	<ul style="list-style-type: none"> • SMS (Animal Sci.) • SMS (Home Sci.)
11.4	Home Science	Drudgery reduction	Drudgery involved	FLD	Drudgery reducing technologies	02	60	<ul style="list-style-type: none"> • SMS (Home Sci.) • PC (Ag. Engg.) • SMS (Ani. Sci.)
11.5	Plant Protection	Cabbage	Diamond back moth and foot rot	FLD	Pest and Disease management in Cabbage	02	30	<ul style="list-style-type: none"> • SMS (Pl. Path) • SMS (Soil Sci.)
		Major Crop	Root disease in major crops	-	Bio control of plant disease	01	30	<ul style="list-style-type: none"> • SMS (Pl. Path.) • SMS (Soil Sci.)
		Cotton	Sucking pests (mirid bug)	FLD	Sucking pest management in cotton	01	30	<ul style="list-style-type: none"> • SMS (Pl. Path.) • SMS (Soil Sci.)
11.6	Production of Inputs at Site	Soybean Chickpea and Groundnut	Poor quality seeds	FLD/Seed production	Quality seed production	05	200	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Pl. Path.)
11.7	Soil Health and Fertility	Soil Sampling and Soil testing	<ul style="list-style-type: none"> • Require lab • No soil testing done • No awareness on sampling 	FLD	Soil Sampling and Soil testing	02	50	<ul style="list-style-type: none"> • SMS (Soil Sci.) • Prog. Asst (Soil Sci.)

S.No.	Thematic area	Crop / Enterprise	Major problem	Linked field intervention	Training Course Title	No. of Courses	Expected No. of participants	Names of the team members involved
		Composting	Burning of crop wastes	FLD	Composting technology	02	50	<ul style="list-style-type: none"> • SMS (Soil Sci.) • Prog. Asst (Soil Sci.)
		Bio fertilizer	Non availability of bio fertilizer at right time	FLD	Bio fertilizers – Uses and their production	02	50	<ul style="list-style-type: none"> • SMS (Soil Sci.) • Prog. Asst (Soil Sci.) • SMS (Pl. Path.)
11.8	PHT and value addition	Value addition	Lack of awareness & low returns from the crop produce	-	Value addition to crop produces	04	120	<ul style="list-style-type: none"> • SMS (Home Sci.) • PC (Ag. Engg.)
		Value addition	Lack of awareness & low returns the live stock produce	-	Value addition to Live stock produces	02	60	<ul style="list-style-type: none"> • SMS (Home Sci.) • SMS (Ani. Sci.)
11.9	Capacity Building Group Dynamics	Vegetables	Lack of awareness in seed production techniques	-	Crossing techniques in vegetables	02	50	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Home Sci.)
11.10	Farm Mechanization	Groundnut	Labour scarcity, drudgery reduction, timely operation delayed	FLD	Mechanization in cultivation of Groundnut (K/R/S)	02	60	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Home Sci.)
		Sorghum	Labour scarcity, drudgery reduction, timely operation delayed	-	Mechanization in cultivation of Sorghum	01	30	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Home Sci.)
11.11	Fisheries Production Technologies	-	-	-	-	-	-	-
11.12	Mushroom production	-	-	-	-	-	-	-
11.13	Agro forestry	-	-	-	-	-	-	-
11.14	Bee Keeping	-	-	-	-	-	-	-
11.15	Sericulture	-	-	-	-	-	-	-
11.16	Soil and water conservation	-	Loss of soil and water & effect on the soil fertility	FLD	Soil and water conservation techniques	03	75	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Soil Sci.)

12 Trainings for Extension Personnel during 2014-15

S.No.	Thematic area	Training Course Title	No. of Courses	Expected No. of participants	Names of the team members involved
12.1	Crop Production	Virtual water	01	40	• SMS (Soil Sci.)
		SSI in Sugarcane	01	30	• PC (Ag. Engg.) • SMS (Home Sci.)
		Aerobic Rice cultivation	01	30	• PC (Ag. Engg.) • SMS (Home Sci.)
		Integrated farming system	02	60	• SMS (Soil Sci.) • SMS (Animal Sci.) • SMS (Home Sci.) • PC (Ag. Engg.)
		Contingent crop plan	02	60	• SMS (Soil Sci.) • PC (Ag. Engg.) • SMS (Animal Sci.)
12.2	Home Science	Drudgery reducing technologies	02	60	• SMS (Home Sci.) • PC (Ag. Engg.) • SMS (Animal Sci.)
		Health and nutrition	02	60	• SMS (Home Sci.) • SMS (Animal Sci.) • PC (Ag. Engg.)
		Formation of Commodity groups	02	60	• SMS (Home Sci.) • SMS (Soil Sci.) • PC (Ag. Engg.) • SMS (Animal Sci.)
12.3	Capacity Building and Group Dynamics	-	-	-	
12.4	Horticulture	-	-	-	
12.5	Livestock Production & Management	Artificial insemination in cattle / buffaloes	03	90	• SMS (Animal Sci.)
		Advance in poultry farming	05	150	• SMS (Animal Sci.)
		Control & prevention of FMD	05	150	• SMS (Animal Sci.)
		Fodder production technologies	03	90	• SMS (Animal Sci.) • SMS (Home Sci.)
		Stall fed sheep and goat farming	03	90	• SMS (Animal Sci.)
12.6	Plant Protection	Sunflower crop pest & disease management	02	60	• SMS (Pl. Path.) • SMS (Soil Sci.)

S.No.	Thematic area	Training Course Title	No. of Courses	Expected No. of participants	Names of the team members involved
		Biological control of plant diseases	02	60	<ul style="list-style-type: none"> • SMS (Pl. Path.) • SMS (Soil Sci.)
12.7	Farm Mechanization	Mechanization in cultivation of Groundnut (K/R/S)	01	20	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Home Sci.)
		Mechanization in cultivation of Sorghum	01	20	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Home Sci.)
12.8	PHT and value addition	Value addition to food grains	01	30	<ul style="list-style-type: none"> • SMS (Home Sci.) • PC (Ag. Engg.)
12.9	Production of Inputs at Site	Quality seed production	03	90	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Pl. Path.)
12.10	Sericulture	-	-	-	-
12.11	Fisheries	-	-	-	-
12.12	Others				
	Soil Health and Fertility	Soil fertility management	02	50	<ul style="list-style-type: none"> • SMS (Soil Sci.) • Prog. Asst. (Soil Sci.)
	Crop Nutrition	Nutrient deficiency symptoms and their management	02	50	<ul style="list-style-type: none"> • SMS (Soil Sci.) • Prog. Asst. (Soil Sci.)
	Watershed development	Soil and water conservation techniques	02	50	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Soil Sci.)

13 Vocational trainings during 2014-15

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	Names of the team members involved
13.1	Crop Production	Production technology of organic manures	One (6 days)	Youth & Farm Women	30	KVK	<ul style="list-style-type: none"> • SMS (Soil Sci.) • SMS (Animal Sci.)
13.2	Home Science	IG activities for farm women	Two (8 days)	Farm women and Adolescent girls	60	KVK	<ul style="list-style-type: none"> • SMS (Home Sci) • PC (Ag. Engg.) • SMS (Ani. Sci.)\
		Sugarcane Nursery raising techniques	One(8days)	SHGs, youth, Progressive farmers	30	KVK	<ul style="list-style-type: none"> • SMS (Home Sci) • PC (Ag. Engg.) • SMS (Ani. Sci.)\
		Advances in Tailoring	One (8 days)	Farm women and Adolescent girls	30	KVK	<ul style="list-style-type: none"> • SMS (Home Sci.)
13.3	Capacity Building and Group Dynamics	-	-	-	-	-	-
13.4	Horticulture	-	-	-	-	-	-
13.5	Livestock Production & Management	Clean milk production and value addition	Two (5 days)	SHG, Youth, Women	60	KVK	<ul style="list-style-type: none"> • SMS (Ani. Sci) • SMS (Home Sci)
		Advances in dairy farming	Three (7 days)	SHG, Youth	90	KVK	<ul style="list-style-type: none"> • SMS (Ani. Sci) • SMS (Home Sci) • SMS (Soil Sci.)
		Recent advances in Sheep & Goat farming	One (5 days)	SHG, Youth	50	KVK	<ul style="list-style-type: none"> • SMS (Ani. Sci)
		Scientific method of poultry farming	Five (7 days)	SHG, Youth, students	150	KVK	<ul style="list-style-type: none"> • SMS (Ani. Sci)
13.6	Plant Protection	Biological control of major soil borne diseases	One (7 days)	SHG	40	KVK	<ul style="list-style-type: none"> • SMS (Pl. Path.) • SMS (Soil Sci.)
13.7	Farm Mechanization	Mechanization in Agriculture	One (7 days)	SHGs	40	KVK	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Home Sci.)
13.8	PHT and value addition	-	-	-	-	-	-
13.9	Production of Inputs at Site	Advances and seed production technologies in groundnut and other crops	One (5 days)	SHGs, youth, Progressive farmers	30	KVK	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Pl. Path.)
13.10	Sericulture	-	-	-	-	-	-
13.11	Fisheries	-	-	-	-	-	-
13.12	Others						
	Soil Health and fertility	Composting technology and soil fertility	One (3 day)	Youths	25	-	<ul style="list-style-type: none"> • SMS (Soil Sci.)

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	Names of the team members involved
		management					• PC (Ag. Engg.)
	Watershed development	Integrated watershed development	One (7 days)	Youths	25	-	• PC (Ag. Engg.) • SMS (Soil Sci.) • SMS (Ani. Sci.)

14 Sponsored trainings during 2014-15

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	Names of the team members involved
14.1	Crop Production	-	-	-	-	-	-
14.2	Home Science	IG activities for farm women	2 (4 days)	SHGs, Women	60	Dept. of Watershed	• SMS (Home Sci) • PC (Ag. Engg.) • SMS (Ani. Sci.)
14.3	Capacity Building and Group Dynamics	-	-	-	-	-	-
14.4	Horticulture	-	-	-	-	-	-
14.5	Livestock Production & Management	Recent Advance in dairy farming	3 (3 days)	SHG, Youth, women	90	AH&VS, Dept. of Watershed, ATMA	• SMS (Ani. Sci.) • SMS(Home Sci.)
		Fodder Production technology	3 (3 days)	SHG, Youth, Women	90	KSDA, AH & VS, ATMA	• SMS (Ani. Sci.) • SMS(Home Sci.)
		Stall fed Sheep/Goat farming	3 (3 days)	SHG, Youth, Women	90	KSDA, AH & VS, ATMA	• SMS (Ani. Sci.) • SMS(Home Sci.)
14.6	Plant Protection	Crop pest & disease management in major crops of Haveri district	01	Youth	25	KSDA	• SMS (Pl. Path.) • SMS(Soil Sci.)
		Palm climbing and plant protection	2 (7 days)	Youth	40	COB, Bangalore	• Pc (Ag. Engg.) • SMS (Soil Sci.) • SMS (Pl. Path.) • SMS(Home Sci.)
14.7	Farm Mechanization	Mechanization in Agricultural	01	SHG	25	KVK	• PC (Ag. Engg.) • SMS (Home Sci.)
14.8	PHT and value addition	-	-	-	-	-	-

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	Names of the team members involved
14.9	Production of Inputs at Site	-	-	-	-	-	-
14.10	Sericulture	-	-	-	-	-	-
14.11	Fisheries	-	-	-	-	-	-
	Others	-	-	-	-	-	-
14.12	Soil health and fertility	Soil testing and nutrient management	02	SHG	25	KSDH & KSDA	<ul style="list-style-type: none"> • SMS (Soil. Sci.) • SMS (Animal Sci.) • PC (Ag. Engg.)
	Watershed development	Integrated watershed development	02	SHG	25	Dept. of Watershed	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Soil Sci.) • SMS (Ani. Sci.)
	Plant variety protection	Training cum awareness programme on Plant variety protection and farmers rights	01	SHGs, youth, Progressive farmers	100	PVP & FR, New Delhi	<ul style="list-style-type: none"> • PC(Ag. Engg.) • SMS(Home Sci.) • SMS (Ani. Sci.) • SMS (Soil Sci.) • SMS (Pl. Path)

15. Extension programmes during 2014-15

Sl.No.	Extension programme	No. of programmes or activities	Expected No. of participants	Names of the team members involved
15.1	Advisory Services	100	250	KVK Team
15.2	Diagnostic visits	20	100	KVK Team
15.3	Field Day	14	800	KVK Team
15.4	Group discussions	15	350	KVK Team
15.5	Kisan Ghosthi	08	200	KVK Team
15.6	Film Show	06	500	KVK Team
15.7	Self -help groups	10	400	KVK Team
15.8	Kisan Mela / Krishi Utsav	05	4000	KVK Team
15.9	Exhibition	03	50000	KVK Team
15.10	Scientists' visit to farmers field	10	100	KVK Team
15.11	Plant/Soil health/Animal health camps	6	300	KVK Team
15.12	Farm Science Club	-	-	-
15.13	Ex-trainees Sammelan	-	-	-
15.14	Farmers' seminar/workshop	02	100	KVK Team
15.15	Method Demonstrations	30	400	KVK Team
15.16	Celebration of important days	05	2000	KVK Team
15.17	Special day celebration	05	5000	KVK Team
15.18	Exposure visits	2	40	KVK Team
15.19	Technology week	01	250	KVK Team
15.20	FFS	01	30	KVK Team
15.21	Farm innovators meet	01	50	KVK Team
15.22	Awareness programs	03	300	KVK Team

16. Activities proposed as Knowledge and Resource Centre during 2014-15

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	Fodder varieties	0.40	<ul style="list-style-type: none"> • SMS (Animal Sci.) • SMS (Soil Science)
		Vermicompost production unit	01	<ul style="list-style-type: none"> • SMS (Animal Sci.) • SMS (Soil Science)
		Dairy Unit	01	<ul style="list-style-type: none"> • SMS (Animal Sci.)
		Kitchen garden	0.01	<ul style="list-style-type: none"> • SMS (Home Science)
		Nursery production Unit	0.20	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Soil Science)
16.1.2	Demonstration Units	Sheep unit	0.10	<ul style="list-style-type: none"> • SMS (Animal Sci.)
		Poultry unit (Giriraj)	25 Nos.	<ul style="list-style-type: none"> • SMS (Animal Sci.)
16.1.3	Lab Analytical services	Soil testing	2500	<ul style="list-style-type: none"> • SMS (Soil Science) • Prog. Asst.(Soil Sci.)
16.1.4	Technology Week	Organic farming	30	<ul style="list-style-type: none"> • SMS (Soil Science) • SMS (Animal Sci.)
		Soil testing	30	<ul style="list-style-type: none"> • SMS (Soil Science) • Prog. Asst.(Soil Sci.)
		Soil and water conservation	30	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Soil Science)
		Dairy / Poultry	30	<ul style="list-style-type: none"> • SMS (Animal Sci.)
		Kitchen garden	30	<ul style="list-style-type: none"> • SMS (Home Science)

16.2 Technological Products

Sl.No.	Category	Name of the product	Quantity (Qtl.)/ Number	Names of the team members involved
16.2.1	Seeds	Groundnut (GPBD-4)	25	PC (Ag. Engg.)
		Groundnut (GPBD-5)	25	PC (Ag. Engg.)
		Redgram (BSMR-736)	10	PC (Ag. Engg.)
		Chickpea(BGD-103)	05	PC (Ag. Engg.)
		Soybean (Dsb-21)	05	PC (Ag. Engg.)
		Sorghum (Anuradha)	05	PC (Ag. Engg.)
		Horsegram (KM-5)	05	PC (Ag. Engg.)
		Maize (SAT)	25	PC (Ag. Engg.)
16.2.2	Planting materials	Sapota (DHS-1)	500	PC (Ag. Engg.)
		Sapota (DHS-2)	500	PC (Ag. Engg.)
		Curry leaf (Suvasini)	5000	PC (Ag. Engg.)
		Tamarind (PKM)	500	PC (Ag. Engg.)
		Guava	500	PC (Ag. Engg.)
		Sugarcane	10000	PC (Ag. Engg.) SMS (Home Sci.)
16.2.3	Bio-products	Trichoderma	02	<ul style="list-style-type: none"> • SMS (Pl. Path.) • SMS (Soil Science)
16.2.4	Livestock strains	Giriraj birds	10	• SMS(Animal Science)
		Deccani sheep	10	• SMS(Animal Science)
16.2.5	Fish fingerlings	-	-	-
16.2.6	Production of Vermicompost	Vermicompost	25	• PC (Ag. Engg.)
16.2.7	Soil testing	Kit	100	<ul style="list-style-type: none"> • SMS (Soil .Sci.) • Prog. Asst(Soil Sci.)

16.3 Technological Information

	Category	Technological capsules / Number	Names of the team members involved
16.3.1	Technology backstopping to line departments		
	Agriculture	Soil testing and fertilizer management (02)	• SMS (Soil Science)
	Horticulture		
	Animal Husbandry	Livestock production & management	• SMS (Animal Science)

	Agricultural Engineering	Watershed management	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Soil Science) • SMS (Animal Science)
	Sericulture	Advances in cultivation of mulberry	<ul style="list-style-type: none"> • SMS (Soil Science) • PC (Ag. Engg.)
16.3.2	Literature/publication	Soil testing (02), Seed production (02), Nutrient management (04), poultry management (02), Value addition in millets (02)	<ul style="list-style-type: none"> • SMS (Animal Sci.) • PC (Ag. Engg.) • SMS (Home Science) • SMS (Pl. Path.) • SMS (Soil Science)
16.3.4	Electronic Media	-	-
16.3.5	Kisan Mobile Advisory Services	Rainfall and temperature, GAP, nutrition, drudgery reduction , Improved varieties	<ul style="list-style-type: none"> • SMS (Animal Sci.) • PC (Ag. Engg.) • SMS (Home Science) • SMS (Pl. Path.) • SMS (Soil Science) • Prog. Asst.(Computer)
16.3.6	Information on centre/state sector schemes and service providers in the district.		

17. Additional Activities Planned during 2014-15

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	Integrated farming system (3 Nos.)	IFS	IFS	1,50,000,00/- (@ Rs. 50000/- per each IFS)	PC (Ag. Engg.),SMS (Pl. Path.) SMS (Soil Science),SMS (Animal Sci.),SMS (Home Science)
17.2	Establishment of custom hiring center	Custom hiring of farm machineries	Provide need based farm machineries on rental basis to farmers	10,00,000/-	<ul style="list-style-type: none"> • PC (Ag. Engg.) • SMS (Home Science)

18. Revolving Fund

18.1 Financial status

Particular	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)	Expected closing balance by 31.03.2014 (Including value of material in stock)
ICAR	9.22	14.71	14.52	9.03	11.530
Training	0.53	0.43	0.61	0.71	-

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	Seed production and procurement (q)	25	1,87,000/-	• PC (Ag. Engg.)
18.2.2	Production of planting materials (Nos.)	5000	1,00,000/-	• PC (Ag. Engg.) • SMS (Home Sci.)
18.2.3	SWTL (Nos.)	2000	2,00,000/-	• SMS (Soil Science) • PA(Soil Science)
18.2.4	Production of Bio-agents (q)	5	60,000/-	• SMS (Pl. Path.)
18.2.5	Production of worms (kg.)	100	20,000/-	• PC (Ag. Engg.) • SMS (Soil Sci.)
18.2.6	Production of Vermicompost (q)	20	60,000/-	• PC (Ag. Engg.) • SMS (Soil Sci.)
18.2.7	Production of milk (ltr)	200000	4,80,000/-	• SMS (Animal Science)
18.2.9	Fodder (Slips)	10000	10,000/-	• SMS (Animal Science)
18.3.0	Soil testing kit (nos.)	100	2,00,000/-	• SMS (Soil Science)

19. Activities of soil, water and plant testing laboratory during 2014-15

Sl.No.	Type	No. of samples to be analyzed	Names of the team members involved
19.1	Soil	2500	• SMS (Soil Science) • Prog. Asst. (Soil Science)
19.2	Water	1000	• SMS (Soil Science) • Prog. Asst. (Soil Science)
19.3	Plant	-	-

20. E-linkage during 2014-15

S. No	Nature of activities	Likely period of completion	Remarks
20.1	Title of the technology module to be prepared (Improved cultivation practices in Cotton, Maize, Groundnut)	March 2015	Information required
20.2	Creation and maintenance of relevant database system for KVK		
	• Training database	Going on	
	• Seeds & planting material	Going on	
	• Soil & water test database	Going on	
	• FLD	Going on	
	• Milk sold	Going on	
	• Farmers Visit KVK	Going on	
	• OFT	July 2014	
	• Extension activities	July 2014	
	• Publication (Retrench Paper, Abstract, Popular article, Folder etc.)	July 2014	
	• ICAR revolving fund	July 2014	
20.3	Text & voice messages	Twice a week	
20.4	Web site (WWW.kvkhaveri.org)	Monthly	
20.5	Teaching B.Sc. (Agri.) Course	6 months	

21. Activities planned under Rainwater Harvesting Scheme

S. No	Activities planned	Remarks
21.1	Maintenance of fodder demonstration bank	
21.3	Maintenance of Nursery garden for multiplication of Horticultural plants	
21.4	Development of field gene bank (Germplasm)	
21.5	Training cum demonstration on Rainwater harvesting and its utilization	

22. Innovative 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	October 2014
22.3	Brief action plan in this regard	<ul style="list-style-type: none"> • Discussion with line departments • Preliminary meeting of innovative farmers • Documentation of innovations • Innovation mela

23. Farmer's Field School planned

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.
23.1	Seedling production in sugarcane	Eye to yield in sugarcane	30,000/-

24. Budget - Details of budget utilization (2013-14) upto 28 February 2014

(Rs. In Lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
24.1	Recurring Contingencies			
24.1.1	Pay & Allowances	52.00	6.00	68.27
24.1.2	Traveling allowances	1.75	1.75	1.98
24.1.3	Contingencies			
24.1.4.	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance	2.00	1.80	1.91
<i>I</i>				
<i>B</i>	POL, repair of vehicles, tractor and equipments	2.00	1.95	1.97
<i>C</i>	Meals/refreshment for trainees	0.75	0.60	0.39
<i>D</i>	Training material	0.70	0.60	0.60
<i>E</i>	Frontline demonstration except oilseeds and pulses	5.00	5.00	4.24
<i>F</i>	On farm testing	0.95	0.95	0.81
<i>G</i>	Training of extension functionaries	0.25	0.20	0.15
<i>H</i>	Maintenance of buildings	0.50	0.45	0.44
<i>I</i>	Establishment of Soil, Plant & Water Testing Laboratory	0.00	0.00	0.00
<i>J</i>	Extension Activities	0.50	0.50	0.48
<i>K</i>	Farmers Field School	0.30	0.30	0.17
<i>L</i>	Library	0.05	0.05	0.03
24.1	Total Recurring	66.75	76.15	81.44
24.2	Non-Recurring Contingencies			
24.2.1	Works	0.00	0.00	0.00
24.2.2	Equipments including SWTL & Furniture	0.00	0.00	0.00
24.2.3	Vehicle (Four wheeler/Two wheeler, please specify)	0.00	0.00	0.00
24.2.4	Library	0.00	0.00	0.00
24.2	Total Non Recurring	0.00	0.00	0.00
24.3	REVOLVING FUND	0.00	0.00	0.00
24.4	GRAND TOTAL (A+B+C)	66.75	76.15	81.44

25.Details of Budget Estimate (2014-15) based on proposed action plan
(Rs. In Lakh)

S. No.	Particulars	BE 2014-15 proposed
25.1	Recurring Contingencies	
25.1.1	Pay & Allowances	120.00
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)	1.50
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	4.10
F	FLD On Special Programme	0.00
G	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	1.25
H	Training of extension functionaries	0.30
I	Maintenance of buildings	3.00
J	Extension Activities	1.00
K	Farmers Field School	0.30
L	Soil, Plant & Water Testing Laboratory	0.00
M	Library	0.10
N	Contractual services (Fld Asst-2,Security-2,Skilled Helper-2,Farm labour-8)	0.00
25.1	TOTAL Recurring Contingencies	142.05
25.2	Non-Recurring Contingencies	
25.2.1	Works	
	Expansion of Hostel Building	0.00
	Poultry Unit	0.00
	Chain link fencing for staff quarters	0.00
25.2.2	Equipments including SWTL & Furniture	2.00
25.2.3	Vehicle (Four wheeler/Two wheeler, please specify)	20.00
25.2.4	Library (Purchase of assets like books & journals)	0.00
25.2	TOTAL Non-Recurring Contingencies	22.00
25.3	REVOLVING FUND	0.00
25.4	GRAND TOTAL	164.05