



ACTION PLAN OF KVK, GADAG FOR THE YEAR 2015-16



Submitted to

**ZONAL PROJECT DIRECTOR
ZONAL PROJECT DIRECTORATE
ZONE VIII, ICAR, BANGALORE**

By

ICAR - K.H.PATIL KRISHI VIGYAN KENDRA

Hulkoti-582 205 Dist : GADAG, Karnataka State

Website : www.khpkvk.org

e-mail : kvkhulkoti@gmail.com

CONTENTS

Sl. No.	PARTICULARS	PAGE NO.
1	General information about the Krishi Vigyan Kendra	1
2	Details of staff as on date	1-2
3	Details of SAC meeting conducted during 2014-15	2-3
4	Capacity Building of KVK Staff	3
5	Proposed cluster of KVKs	4
6	Operational areas details proposed during 2015-16	5-12
7	Plan for Technology Assessment & Refinement	13-14
8	Plan for Front Line Demonstrations	15-26
9	Plan for training programmes	27-35
	• Training programme for farmers / farmwomen	
	• Training for rural youths	
	• Training programme for Extension personnel	
	• Vocational training for young farmers	
	• Sponsored trainings	
10	Extension programmes planned	35-39
11	Activities proposed as Knowledge and Resource Center	39-45
12	Plan for Revolving Fund	46-47
13	Activities of soil, water and plant testing	47
14	Target for E-linkage	47-48
15	Innovative farmers' meet	48
16	Budget	49-50

ACTION PLAN OF KVK, GADAG FOR THE YEAR 2015-16

1. General information about the Krishi Vigyan Kendra

1.1	Name and address of KVK with Phone, Fax and e-mail	:	ICAR-K.H. Patil Krishi Vigyan Kendra Hulkoti – 582205 Dist.: Gadag, State: Karnataka Phone : (08372) 289606 Fax : (08372) 289474 E-mail : khpatil_kvkhulkoti@yahoo.com , kvkhulkoti@gmail.com Website: www.khpkvk.org
1.2	Name and address of host organization	:	Agricultural Science Foundation Hulkoti – 582205 District: Gadag, State: Karnataka Phone : (08372) 289069 Fax : (08372) 289474 E-mail : asf_hulkoti@yahoo.co.in Website: www.asf.org.in
1.3	Year of sanction	:	1985
1.4	Website address of KVK and date of last update		www.khpkvk.org , updated on 13-03-2015

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	Dr. L.G. Hiregoudar	Crop Physiology	37400-67000	10000	19.10.1985	-
2.2	Subject Matter Specialist	Mr. S.K.Mudlapur	Plant Protection	15600-39100	6600	22.07.1985	-
2.3	Subject Matter Specialist	Mr. S.H.Adapur	Ag. Extension	15600-39100	6600	22.11.1990	-
2.4	Subject Matter Specialist	Smt. S.S.Rayanagoudar	Home Science	15600-39100	6600	20.07.1993	-
2.5	Subject Matter Specialist	Mr. V.D.Vaikunthe	Agronomy	15600-39100	6600	23.07.1985	-
2.6	Subject Matter Specialist	Mr. K.T.Patil	Horticulture	15600-39100	6600	25.07.1985	-
2.7	Subject Matter Specialist	Mr. N.H.Bhandi	Soil Science	15600-39100	5400	01.06.2005	-
2.8	Programme Assistant	Mr. B.M.Murgod	Animal Husbandry	9300-34800	4200	25.06.2007	-
2.9	Computer Programmer	Smt. L.S.Asuti	-	9300-34800	4200	01.06.2005	-
2.10	Farm Manager	Mr. Suresh L. Halemani	-	9300-34800	4200	01.02.2011	-
2.11	Accountant/Superintendent	Mr. M.B. Jakkanagoudar	-	9300-34800	4200	25.06.2007	-
2.12	Stenographer	Smt. M.S. Halappanavar	-	5200-20200	2400	01.01.2011	-

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		
2.13	Driver 1	Mr. N.L. Hadapad	-	5200-20200	2000	03.09.1992	-
2.14	Driver 2	Mr. G.D. Madivalar	-	5200-20200	2000	20.07.1995	-
2.15	Supporting staff 1	Mr. S.B. Kotabagi	-	5200-20200	1900	18.07.1985	-
2.16	Supporting staff 2	Mr. V.R. Navalli	-	5200-20200	1900	20.07.1993	-

3. Details of SAC meeting conducted during 2014-15

Sl. No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC meeting proposed during 2015-16
3.1	13-06-2014	More thrust should be given in trainings on maintaining proper plant population by farmers	The suggestion was incorporated in the KVK training programmes and extension activities	12-02-2016
		Organise exhibition of relevant Farm machineries for popularization	KVK organized exhibition of farm machineries in Krishi Ustav, Gadag as well as during technology week celebration and popularized the farm machineries along with supply of literature	
		Manage database of mobile numbers of all the farmers in district to send messages	It is being done regularly on priority basis	
		Schemes of Department of Agriculture related to drip irrigation & sprinkler irrigation may be brought to the notice of large number of farmers	The schemes of Department of Agriculture are brought to the notice of farmers during organization of training programmes and extension activities of KVK. A brochure on schemes of the department is also published by KVK (Service providers of Gadag district)	
		KVK to inform farmers and farm women about crop insurance	KVK organized one day orientation programme on crop insurance schemes in collaboration with State Department of Agriculture	
		Advise farmers to cultivate specific grasses and Lucerne in saline affected soils	KVK has incorporated training capsule on 'cultivation of grasses and fodder' in the training programmes organized for Command area farmers	
		Collaborate with ARS, Annigeri to conduct FLD on Safflower	KVK collaborated for organization of FLD on Safflower during 2014-15	

Sl. No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC meeting proposed during 2015-16
	27-02-2015	Give more awareness on control of soil borne diseases by application of Trichoderma along with vermicompost	This suggestion shall be incorporated in the training syllabus and the extension programmes planned for the year 2015-16	12-02-2016
		Impart knowledge on health benefits in consumption of millets	The knowledge shall be imparted on health benefits through consumption of millets during trainings and extension activities	
		Motivate rural trained youths to act as village level technology representatives in Agriculture and Allied fields	KVK shall make efforts to motivate trained rural youths to act as technology representatives in Agriculture and Allied fields	
		Organise district level Organic Farmers' Forum	KVK has planned to organize Gadag district Organic Farmers' Forum during 2015-16	
		Propose FLDs under NFSM scheme	FLDs under NFSM are incorporated in the Action Plan of KVK during the year 2015-16.	
		Give awareness on compost culture in managing FYM heaps	KVK shall organise awareness programmes on use of compost culture in the management of FYM heaps	

4. Capacity Building of KVK Staff

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

S. No	New Areas of Training	Institution proposed to attend	Justification
4.1.1	Vegetable seed production technology	IIHR, Bangalore	Open pollinated varieties are required for vegetable production as it reduces the cost of cultivation
4.1.2	Cashew nut processing technology	NRC Cashew, Puttur	To promote Cashew processing, as area under Cashew nut is increasing
4.1.3	Enabling processes for Livelihood Enhancement in Rainfed Agriculture	CRIDA, Hyderabad	To enhance income in rainfed agriculture for livelihood
4.1.4	Soil & water conservation measures	CSWCRTI Regional Center, Udhagamandalam	To adopt proper soil & water conservation
4.1.5	Production technology in Sugarcane	Sugarcane Breeding Institute, Coimbatore	Sugarcane area in the district is increasing
4.1.6	Market led extension & new dimension of agriculture marketing	National Institute of Agricultural Marketing, Jaipur	To understand the frontier area of market led extension and agricultural marketing

4.2. Cross-learning across KVKs during 2015-16

S. No	Name of the KVK proposed	Specific learning areas
4.2.1	Within ring- KVK, Bagalkot & Tukkanatti	Sugarcane production technology
4.2.2	Within zone- KVK, Bengaluru Rural	IFS and Producers' Organisation
	KVK, Ramnagar & Tumkur	Horticulture technologies
	KVK, Mysore	Organisation of Krishi Mela
4.2.3	Outside zone – KVK, Ahamadnagar & KVK, Baramati	ICT initiatives for agriculture extension

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

S.No.	Name of the KVKs included in the cluster	What do you intend to share with Cluster KVKs	What do you expect from Cluster KVKs
5.1	KVK, Davanagere	Dry land horticulture & Alternate Land Use Systems	Expertise on fish culture technology
5.2	KVK, Koppal	Value addition in agriculture produce	Expertise on paddy cultivation
5.3	KVK, Dharwad	Value addition in agriculture produce & Alternate Land Use Systems	Seedling production in Polyhouse

6. Operational areas details proposed during 2015-16

S.No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
6.1	Field crops	Less soil fertility due to non-use of organic manures	1.25 lakh ha.	<ul style="list-style-type: none"> • Kakkur cluster comprising of Kakkur, Hesarur & Nagarahalli villages in Mundaragi taluk • Kuradagi cluster comprising of Kuradagi and Yerebeleri villages in Ron taluk • Arishinagodi cluster comprising of Arishinagodi & Kurivinakoppa villages in Naragund taluk • Beladhadi cluster comprising of Beladhadi, Nabhapur, Kabalayata Katti & Mahalingapur villages in Gadag taluk • Yalavatti cluster comprising of Yalavatti, Madolli & Yatnalli villages in Shirahatti taluk 	<ul style="list-style-type: none"> • FLD on soil fertility management through production & usage of organic inputs (Vermicompost, Vermiwash, Jeevamrutha, Ghana Jeevamrutha, Azolla) • Trainings on organic input preparation • Method demonstration in organic input preparation • Supply of literature on organic input preparation
6.2	Maize	Low productivity due to imbalanced nutrition	5000 ha	<ul style="list-style-type: none"> • Arishinagodi cluster comprising of Arishinagodi & Kurivinakoppa villages in Naragund taluk 	<ul style="list-style-type: none"> • FLD on ICM practices • Trainings on ICM in maize • Supply of literature on ICM practices • Field day • Rendering Kisan Mobile Advisory Services to farmers
		High incidence of stem borer	8000 ha		
		High incidence of Turcicum leaf blight	5000 ha		
		High incidence of weed	15000 ha		

S.No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
6.3	Rabi Sorghum	Decreasing productivity of M 35-1 variety Moisture stress Less market price for the produce and lack of value addition	30000 ha	<ul style="list-style-type: none"> • Kuradagi cluster comprising of Kuradagi & Yerebeleri villages in Ron taluk • Beladhadi cluster comprising of Beladhadi, Nabhapur, Kabalayata Katti & Mahalingapur villages in Gadag taluk • Yalavatti cluster comprising of Yalavatti, Madolli & Yatnalli villages in Shirahatti taluk 	<ul style="list-style-type: none"> • Assessment of SPV-2217 & BJV-44 varieties for higher productivity • Method demonstration on cycle weeder • Training on value addition in Sorghum • Supply of literature on value addition • Field day • Exhibition of value added products of Sorghum
6.4	Bt. Cotton	Imbalanced nutrition & non-split application High incidence of sucking pest in early stage Lack of knowledge on production technology Abiotic stress	15000 ha 8000 ha 80% of farmers	<ul style="list-style-type: none"> • Arishinagodi cluster comprising of Arishinagodi & Kuruvinakoppa villages in Naragund taluk 	<ul style="list-style-type: none"> • FLD on ICM practices • Trainings on ICM practices • Supply of relevant literatures • Supply of yellow sticky trap on cost basis • Field day
6.5	Sugarcane	Lack of knowledge about balanced nutrition and inappropriate management of pest & diseases (smut, early shoot borer & stem borer) Use of high set rate leading to higher cost	3000 ha	<ul style="list-style-type: none"> • Kakkur cluster comprising of Kakkur, Hesarur & Nagarahalli villages in Mundaragi taluk 	<ul style="list-style-type: none"> • FLD on ICM in Sugarcane • Trainings & Farmers-Scientist interaction on ICM practices and irrigation methods • Supply of relevant literature • Exposure visits • Rendering Kisan Mobile Advisory Services to farmers

S.No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
6.6	Greengram	Incidence of Pod borer & Powdery mildew	20000 ha	<ul style="list-style-type: none"> • Kuradagi cluster comprising of Kuradagi & Yerebeleri villages in Ron taluk • Beladhadi cluster comprising of Beladhadi, Nabhapur, Kabalayata Katti & Mahalingapur villages in Gadag taluk 	<ul style="list-style-type: none"> • FLD on ICM in Greengram (DGGV-2 & BGS-9 varieties) • Training on ICM practices • Training & method demonstration on grading through spiral separator • Field day
		Low productivity of existing China Moong variety			
		Less market price due to uncleaned produce			
6.7	Bengalgram	Moisture stress during later crop growth period	40000 ha	<ul style="list-style-type: none"> • Kuradagi cluster comprising of Kuradagi & Yerebeleri villages in Ron taluk • Arishinagodi cluster comprising of Arishinagodi & Kuruvinakoppa villages in Naragund taluk 	<ul style="list-style-type: none"> • FLD on ICM practices <ul style="list-style-type: none"> ➢ Compartment bunding ➢ Introduction of JG-14 & JAKI-9218 varieties ➢ Seed priming with CaCl₂ 2% ➢ Wilt management ➢ Cycle weeder ➢ Pod borer management ➢ Hand gloves ➢ Spiral separator • Training on ICM practices • Supply of literature on ICM practices • Field days
		High Incidence of wilt	15000 ha		
		Recurring Incidence of pod borer	25000 ha		
		Less market price due to uncleaned and ungraded produce	--		
		Drudgery in harvesting of bengalgram	40000 ha		
6.8	Safflower	High incidence of aphids	5000 ha	<ul style="list-style-type: none"> • Kuradagi cluster comprising of Kuradagi & Yerebeleri villages in Ron taluk 	<ul style="list-style-type: none"> • FLD on ICM practices • Training on ICM practices • Farm advisory services • Field day • Method demonstration on mechanized harvesting
		Imbalanced nutrition			
		Low productivity of existing variety			

S.No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
6.9	Groundnut (Bunch) (Kharif season)	Low productivity due to imbalanced nutrition	5000 ha	• Beladhadi cluster comprising of Beladhadi, Nabhapur, Kabalayata Katti & Mahalingapur villages in Gadag taluk	<ul style="list-style-type: none"> • FLD on ICM in Bunch groundnut • Training on ICM practices • Supply of literature on ICM practices • Field day • Rendering Kisan Mobile Advisory Services to farmers
Micro nutrients are deficient in the soil					
Incidence of Collar rot					
Incidence of leaf spot					
6.10	Onion	Low yield of the existing Bellary Red variety & low keeping quality of bulbs	25000 ha	• Kuradagi cluster comprising of Kuradagi & Yerebeleri villages in Ron taluk	<ul style="list-style-type: none"> • FLD on ICM in Onion (Arka Kalyan variety) • Trainings on ICM in onion crop • Supply of relevant literature • Supply of quality seeds • Field day
Non availability of quality seeds					
Low productivity due to imbalanced nutrition					
6.11	Chilli	Lack of knowledge on Murda management	8000 ha	• Yalavatti cluster comprising of Yalavatti, Madolli & Yatnalli villages in Shirahatti block	<ul style="list-style-type: none"> • Training on ICM • Supply of relevant literature • Farm advisory services • Rendering Kisan Mobile Advisory Services to farmers
Imbalanced nutrition					
High incidence of weeds					
6.13	Banana	Improper nutrition and scheduling of irrigation in Red sandy clay soils	5000 ha	• Beladhadi cluster comprising of Beladhadi, Nabhapur, Kabalayata Katti & Mahalingapur villages in Gadag taluk	<ul style="list-style-type: none"> • FLD on ICM • Training on ICM practices • Post harvest technology • Supply of relevant literature on Banana • Rendering Kisan Mobile Advisory Services to farmers • Supply of Banana Special of IHR, Bengaluru on cost basis
Reduced bunch weight		3000 ha			
Incidence of Sigatoka disease		3000 ha			
Lack of knowledge on production technology		90% of growers			
6.14	Marigold	Low productivity of local variety	100 ha	• Beladhadi cluster comprising of Beladhadi, Nabhapur villages in Gadag taluk	<ul style="list-style-type: none"> • FLD on introduction of Arka Bangar variety • Training on ICM practices • Farm advisory services & field day

S.No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
6.15	CB Cows & Buffaloes	<ul style="list-style-type: none"> • Low productivity of milk due to <ol style="list-style-type: none"> i) Farmers not growing green fodder species ii) Incidence of ecto-endo parasites 	5000 no. of CB cows	<ul style="list-style-type: none"> • Kakkur cluster comprising of Kakkur, Hesarur & Nagarahalli villages in Mundaragi taluk • Arishinagodi cluster comprising of Arishinagodi & Kuruvinakoppa villages in Naragund taluk • Beladhadi cluster comprising of Beladhadi, Nabhapur, Kabalayata Katti & Mahalingapur villages in Gadag taluk • Yalavatti cluster comprising of Yalavatti, Madollii & Yatnalli villages of Shirahatti taluk 	<ul style="list-style-type: none"> • FLD on fodder cafeteria • FLD on Azolla for feeding to milch animals • Training on scientific management of dairy animals • Providing Relevant Literature • Rendering Kisan Mobile Advisory Services to farmers
6.16	Drudgery in home	<ul style="list-style-type: none"> • Smokey kitchen 	90% of rural households	<ul style="list-style-type: none"> • Kakkur cluster comprising of Kakkur, Hesarur & Nagarahalli villages in Mundaragi taluk • Kuradagi cluster comprising of Kuradagi & Yerebeleri villages in Ron taluk • Arishinagodi cluster comprising of Arishinagodi & Kuruvinakoppa villages in Naragund taluk • Yalavatti cluster comprising of Yalavatti, Madolli & Yatnalli villages of Shirahatti taluk • Beladhadi cluster comprising 	<ul style="list-style-type: none"> • Method demonstration on less smoke producing chulhas • Training on fuel saving devices • Providing relevant literature

S.No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
				of Beladhadi, Nabhapur, Kabalayata Katti & Mahalingapur villages in Gadag taluk	
6.17	<ul style="list-style-type: none"> Nutrition and health (farmwomen) 	<ul style="list-style-type: none"> Lack of knowledge on balanced diet 	40% of households	<ul style="list-style-type: none"> Kakkur cluster comprising of Kakkur, Hesarur & Nagarahalli villages in Mundaragi taluk Kuradagi cluster comprising of Kuradagi & Yerebeleri villages in Ron taluk Arishinagodi cluster comprising of Arishinagodi & Kuruvinakoppa villages in Naragund taluk Beladhadi cluster comprising of Beladhadi, Nabhapur, Kabalayata Katti & Mahalingapur villages in Gadag taluk Yalavatti cluster comprising of Yalavatti, Madolli & Yatnalli villages of Shirahatti taluk 	<ul style="list-style-type: none"> Trainings on balanced diet and nutrition Training on Importance of millets in diet Training on Value addition in millets Providing relevant literature
6.18	<ul style="list-style-type: none"> Nutrition and reproductive health education for school children and young girls 	<ul style="list-style-type: none"> Lack of knowledge on personal hygiene and reproductive health 	Majority of school children & young girls are facing problems in these areas	<ul style="list-style-type: none"> Kakkur cluster comprising of Kakkur, Hesarur & Nagarahalli villages in Mundaragi taluk Kuradagi cluster comprising of Kuradagi & Yerebeleri villages in Ron taluk Arishinagodi cluster comprising of Arishinagodi & 	<ul style="list-style-type: none"> Trainings on balanced diet and nutrition Trainings on reproductive health and personal hygiene to young girls Providing relevant literature

S.No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
				Kuruvinakoppa villages in Naragund taluk • Beladhadi cluster comprising of Beladhadi, Nabhapur, Kabalayata Katti & Mahalingapur villages in Gadag taluk • Yalavatti cluster comprising of Yalavatti, Madolli & Yatnalli villages of Shirahatti taluk	
6.19	<ul style="list-style-type: none"> Vegetable storage 	<ul style="list-style-type: none"> Loss of nutrients in stored vegetables 	60% of households	<ul style="list-style-type: none"> Kakkur cluster comprising of Kakkur, Hesarur & Nagarahalli villages in Mundaragi taluk Kuradagi cluster comprising of Kuradagi & Yerebeleri villages in Ron taluk Arishinagodi cluster comprising of Arishinagodi & Kuruvinakoppa villages in Naragund taluk Beladhadi cluster comprising of Beladhadi, Nabhapur, Kabalayata Katti & Mahalingapur villages in Gadag taluk Yalavatti cluster comprising of Yalavatti, Madolli & Yatnalli villages of Shirahatti taluk 	<ul style="list-style-type: none"> Method demonstration on vegetable preservation Training on vegetable preservation Providing relevant literature

S.No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
6.20	FIG/CIG	<ul style="list-style-type: none"> Farmers are not organized for technical purposes 	All villages	<ul style="list-style-type: none"> All clusters 	<ul style="list-style-type: none"> Capacity building of FIG/CIG Preparing FIG/CIG as forum for transfer of technologies
6.21	Existing Rainfed cropping system	<ul style="list-style-type: none"> Non diversification in field crops resulting in income insecurity to the farmers 	80% of farm families	<ul style="list-style-type: none"> Kuradagi cluster comprising of Kuradagi & Yerebeleri villages in Ron taluk Beladhadi cluster comprising of Beladhadi, Nabhapur, Kabalayata Katti & Mahalingapur villages in Gadag taluk 	<ul style="list-style-type: none"> Sensitization programmes on crop diversification and enterprises FLD on introduction of Ashwagandha crop Exposure visits Farm advisory services.

7. Technology Assessment during 2015-16

S. No.	Crop/enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members
7.1	Onion	• High incidence of thrips	Thrips management in Onion crop	1) <i>Farmers' Practice</i> Spraying of Lambda Cylhothrin @ 1 ml/lit + 19:19:19 NPK @ 10 gm/lit	-	-	-	-	6	2250	•No. of thrips •Bulb weight •Yield	S.K. Mudlapur, SMS (Plant Protection) & Mr. K.T.Patil, SMS (Horticulture)
				2) <i>Technology Option-1</i> Spray of Dimethoate @ 1.75 ml/lit + 19:19:19 NPK @ 10 gm/lit	UAS, Dharwad	Dimethoate	500 ml	275				
						19:19:19 NPK	1 Kg	100				
				3) <i>Technology Option-2</i> Spray of Verticillium lecani 2 gm lit + Nimbecidin 5 ml/lit + 19:19:19 NPK @ 10 gm/lit	NRC on Onion & Garlic, Pune	Verticillium lacani	1 Kg	200				
						Nimbecidin	1000 ml	350				
						19:19:19 NPK	1.5 Kg	150				
Total								1075		6450	•	
7.2	Rabi Sorghum	Decreasing productivity of M 35-1 variety	Assessment of SPV-2217 & BJV-44 varieties for higher productivity	1) <i>Farmers' Practice</i> Cultivation of M 35-1 variety	-				9	1080	•Height of the plant •Grain yield •Dry fodder yield •Duration of the crop •Seed weight (100 nos.) •Palatability of fodder •Organoleptic evaluation of Sorghum Roti	Mr. V.D.Vaikunthe, SMS (Agronomy), S.K. Mudlapur, SMS (Plant Protection) & Mrs. Sudha S.R., SMS (Home Science)
				2) <i>Technology Option-1</i> Cultivation of CSV-22 variety	UAS, Dharwad	Seeds (CSV-22)	3 Kg	120				
				3) <i>Technology Option-2</i> Assessment of SPV-2217 variety	UAS, Dharwad	Seeds (SPV-2217)	3 Kg	120				
				4) <i>Technology Option-3</i> Assessment of BJV-44 variety	UAS, Dharwad	Seeds (BJV-44)	3 Kg	120				
				Seed priming in all T.Os		CaCl ₂	3 Kg					
Total								360		3600		

S. No.	Crop/enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members
7.3	Bengalgram	<ul style="list-style-type: none"> Low productivity due to high incidence of wilt 	Assessment of wilt tolerant & high yielding GBM-2 variety under rainfed condition	1) <u>Farmers' Practice</u> Cultivation of Annigeri-1 variety	-	-	-	-	5	7500	<ul style="list-style-type: none"> Days to 50% flowering Height of plant No. of pods/plant No. of wilted plants/sq. mtr. Yield Economics 	Mr. V.D.Vaikunthe, SMS (Agronomy) & S.K. Mudlapur, SMS (Plant Protection)
				2) <u>Technology Option-1</u> Cultivation of JG-11 variety	UAS, Dharwad	Seeds	25 Kg	1500				
				3) <u>Technology Option-2</u> Assessment of GBM-2 variety	UAS, Dharwad	Seeds	25 Kg	1500				
Total								3000		15000		
Grand Total of Assessment										25050		

8. Technology Refinement during 2015-16 : NIL

9. Frontline Demonstrations during 2015-16

S. 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	Maize (Irrigated condition)	<ul style="list-style-type: none"> • Low productivity due to imbalanced nutrition coupled with non-split application • Low micro nutrient status in soil (0.19 ppm Zn & 0.65 ppm Fe) • Health problems during threshing and winnowing 	<ul style="list-style-type: none"> • FLD on Integrated Crop Management • Functional clothing kits 	Hybrid	CP-818 and Super 900-M gold	UAS, Dharwad	Farmers' Contribution			10 (4 ha)	6000	<ul style="list-style-type: none"> • Cob length • No of grains/cob • Seed weight (1000 nos) • Yield (Qtl/ha) 	Mr. N.H.Bhandi, SMS (Soil Science), Mr. S.K.Mudlapur, SMS (Plant Protection), Mr. V.D.Vaikunthe, SMS (Agronomy), & Mrs. Sudha S.R., SMS (Home Science)
							• Seeds	5 Kg	600	6000				
							• Urea	108 Kg	756	7560				
							• DAP	56 Kg	1400	14000				
							• MoP	43 Kg	722	7220				
							• FYM	20 Kg	60	600				
							• Attrazine	400 gm	200	2000				
							• Mancozeb	400 gm	100	1000				
							• Carbosulfan	400 ml	208	2080				
							FC Total		4046	40460				
							KVK contribution							
							• ZnSO ₄	10 Kg	500	5000				
							• FeSO ₄	10 Kg	500	5000				
							• Protective clothing	1Nos.	250	2500				
							KVK's Contribn. Total		1250	12500				
							Grand Total (FC + KVK-C)		5296	52960				

S. 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	
			•												
9.3	Oilseeds	Bunch ground nut	<ul style="list-style-type: none"> Imbalanced use of nutrients leads to low yield Low micro nutrient status in soil (0.516 ppm Zn & 0.57 ppm Fe) 	FLD on ICM	Variety	GPBD-4	UAS, Dharwad	Farmers' Contribution			10 (4 ha)		<ul style="list-style-type: none"> Number of pods/plant Shelling percentage 100 grain weight Yield 	Mr. N.H.Bhandi, SMS (Soil Science), Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. S.K.Mudlapur, SMS (Plant Protection)	
							Seeds (pods)	75 Kg	4500			45000			
							DAP	43 Kg	1075			10750			
							MoP	16 Kg	270			2700			
							FYM	20 Kg	60			600			
							19:19:19 (Foliar spray)	1.2 Kg	150			1500			
							Profenophos	300 ml	156			1560			
							Hexaconazole	200 ml	110			1100			
							FC Total		6261			62610			
							KVK Contribution								
							Rhizobium	1 Kg	60						
							PSB	1 Kg	60						
							ZnSO ₄	10 Kg	500						
							FeSO ₄	10 Kg	500						
							Gypsum	200 Kg	800						
							KVK's Contribn. Total		1920		19200				
							Grand Total (FC + KVK-C)		8181		81810				

S. 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		
		Safflower	<ul style="list-style-type: none"> Low productivity due to usage of local variety Non usage of micro nutrients Incidence of aphids Incidence of leaf spot 	FLD on ICM practices	Variety	Annigeri-1	UAS, Dharwad	Farmers' Contribution			10 (4 ha)		<ul style="list-style-type: none"> No. of aphids/leaf No. of capsule/plant Grain yield (Kg/ha) 100 seed weight 	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. S.K.Mudlapur, SMS (Plant Protection)		
							Urea	22 Kg	154			1540				
							DAP	34 Kg	850			8500				
							MoP	8 Kg	135			1350				
							FYM	20 Kg	60			600				
							19:19:19 (Foliar spray)	1.2 Kg	150			1500				
							Immamectin Benzoate	100 gm	730			7300				
							FC Total		2079			20790				
							KVK Contribution									
							Seeds (Annigeri-1)	3 Kg	150							
							CaCl ₂	250 gm	30							
							Imidacloprid (Gouch)	20 gm	70							
							Gypsum	80 Kg	320							
							ZnSO ₄	5 Kg	250							
							FeSO ₄	5 Kg	250							
							Acetamiprid	60 gm	250							
							Propiconazole	200 ml	300							
							KVK's Contribn. Total		1620			16200				
							Grand Total (FC + KVK-C)		3699			36990				

S. 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					
9.4	Pulses	Green gram	<ul style="list-style-type: none"> Moisture stress Incidence of pod borer Incidence of powdery mildew Less market price due to uncleaned produce 	<ul style="list-style-type: none"> <i>In-situ</i> soil moisture conservation practices FLD on ICM practices in DGGV-2 & BGS-9 variety 	Variety	DGGV-2 & BGS-9	UAS, Dharwad	Farmers' Contribution			10 (4 ha)	5500	600	2000	1500	9600	<ul style="list-style-type: none"> Plant height No. of pods per plant Seed weight (100no) Percentage of disease incidence Pod borer incidence Time, cost incurred & mandays required for cleaning, grading of grains Yield/ha & Market price for cleaned & graded grains 	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection), & Mrs. Sudha S.R., SMS (Home Science)	
								• DAP	22 Kg	550									
								• FYM	20 Kg	60									
								• Gypsum	50 Kg	200									
								• 19:19:19 (2 spray)	1.20 Kg	150									
								FC Total											960
								KVK Contribution											
								• Seeds (DGGV-2 & BGS-9)	5Kg	500									
								• Trichoderma	50 gm	10									
								• Rhizobium	200 gm	10									
								• PSB	200 gm	10									
								• CaCl ₂	120 gm	16									
								• FeSO ₄	5 Kg	250									
								• Pulse wonder (Foliar spray)	2 Kg	300									
								• Profenophos	300 ml	160									
								• Nimbicidin	300 ml	80									
								• Propiconazole	150 ml	220									
• Lambda Cylahothrin	200 ml	110																	
			1666																
• Spiral Separator	1 no	13500																	
KVK's Contribn. Total			15166																
Grand Total (FC + KVK-C)			16126																
			30160																
			39760																

S. 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
		Bengal gram	<ul style="list-style-type: none"> Moisture stress Incidence of wilt Incidence of pod borer Drudgery in harvesting of bengalgram Less market price due to uncleaned produce 	<ul style="list-style-type: none"> Insitu soil moisture conservation practices FLD on ICM practices in JAKI -9218 variety 	Variety	JAKI-9218	UAS, Dharwad	Farmers' Contribution			10 (4 ha)	11250	<ul style="list-style-type: none"> Plant population per sq. mtr Percentage of wilt disease No. of pods/plant Pod borer incidence Time required/ Acre for harvesting Time required & cost incurred for weeding and hoeing operation Time and cost incurred for cleaning & grading of grains Yield Seed weight (100 nos) Market price for cleaned and graded grains 	Mr. S.K.Mudlapur, SMS (Plant Protection), Mr. V.D.Vaikunthe, SMS (Agronomy), & Mrs. Sudha S.R., SMS (Home Science)
							DAP	45 Kg	1125	600				
							FYM	20 Kg	60	1500				
							19:19:19 NPK (Foliar spray)	1.2 Kg	150	1560				
							Profenophos	300 ml	156	7300				
							Imamectin Benzoate	100 gm	730					
							SSP	40 Kg	360					
							FC Total		2581	25810				
							KVK Contribution							
							Seeds (JAKI-9218)	25 Kg	1500					
							Rhizobium	500 gm	25					
							PSB	500 gm	25					
							Trichoderma	200 gm	40					
							CaCl ₂	600 gm	72					
							FeSO ₄	5 Kg	250					
							Pulse wonder (Foliar spray)	2 Kg	300					
							Pheromone traps	3 nos	60					
							Lures	6 nos	84					
							Flubendimide	15 ml	256					
							Rainoxyfire	30 ml	400					
							KVK's Contribn. Total		3012	30120				
							Grand Total (FC + KVK-C)		5593	55930				

S. 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			
9.5	Commerci al crops	Bt. Cotton (Irrigated)	<ul style="list-style-type: none"> • Dropping of square & tender bolls • Leaf reddening • Imbalanced nutrition & non-split application • Incidence of sucking pest (early stage) • Incidence of Mirid bug and Midge • Lack of knowledge on production technology • Drudgery in harvesting of cotton 	• FLD on ICM practices	Hybrid	i) Banni Bt-2 (NCS-145) ii) Kanaka -MRC-7351 iii) Shalimar-DCH-1171	UAS, Dharwad (ICM practices)	Farmers' Contribution			10 (4 ha)				<ul style="list-style-type: none"> • No. of bolls/plant • Leaf spot disease (%) • Sucking pest incidence (%) • Seed cotton yield (Qtl/ha) • Quantity of cotton harvested and stored/ hour • Time required / Acre for harvesting of cotton 	Mr. S.K.Mudlapur, SMS (Plant Protection), Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. N.H.Bhandi, SMS (Soil Science) & Mrs. Sudha S.R., SMS (Home Science)	
								Seeds	1 Kg	950							9500
								Urea	104 Kg	728							7280
								DAP	66 Kg	1650							16500
								MoP	50 Kg	840							8400
								FYM	20 Kg	60							600
								FC Total									4228
								KVK Contribution									
								•MgSO ₄ (Soil application)	10 Kg	200							
								•Planofix	80 ml	60							
								•MgSO ₄ (Foliar spray)	3 Kg	180							
								•KNO ₃ (Foliar spray)	2 Kg	250							
								19:19:19 NPK (Foliar spray)	3 Kg	375							
								•Yellow sticky traps	3 Nos.	128							
								•Blue sticky traps	3 Nos.	128							
								•Thiamethoxin	100 gm	410							
								•Fipronil	20 gm	240							
								•Hexaconazole	300 ml	144							
								•Profenophos	300 ml	174							
								•DDVP	100 ml	58							
•COC	500 gm	260															
•Cotton bags	10	200															
KVK's Contribn. Total			2807		28070												
Grand Total (FC + KVK-C)			7035		70350												

S. 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		
		Sugarcane	<ul style="list-style-type: none"> • Low yield due to cultivation of local variety • Imbalanced nutrition • Incidence of early shoot borer • Incidence of wilt 	FLD on ICM practices (6 ft. wider row spacing)	Variety	Co-86032/ SNK-632	UAS, Dharwad	Farmers' Contribution			3 (0.6 ha)			<ul style="list-style-type: none"> • No. of tillers • Cane length • Weight of cane • Cane yield • % of wilt 	Mr. S.K.Mudlapur, SMS (Plant Protection), Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. N.H.Bhandi, SMS (Soil Science)	
								Urea	192	1344						
								DAP	66	1650						
								MoP	126	2117						
								FYM	20	60						
								19:19:19 NPK (Foliar spray)	2 Kg	250						
								FC Total								5421
								KVK Contribution								
								Seed material of Co-86032/ SNK-632 variety	0.5 ton	3000						
								Carbendazim	40 gm	30						
								Cholropyriphos	40 ml	25						
								ZnSO ₄	5 Kg	250						
								Fe SO ₄	5 Kg	250						
								Thiochlorid	50 ml	180						
KVK's Contribn. Total			3735													
Grand Total (FC + KVK-C)			9156													
			27468													
9.6	Horticultural crops	Onion	<ul style="list-style-type: none"> • Low productivity in existing variety • Low keeping quality of bulbs in existing variety • High incidence of thrips & purple 	ICM in Arka Kalyan variety	Variety	Arka Kalyan	IIHR, Bangalore	Farmers' Contribution			10 (4 ha)	<ul style="list-style-type: none"> • Bulb weight • Bulb diameter • % of disease index • Number of thrips/plant • Yield (Qtl/ha) • Market Rate/Qtl 	Mr. K.T.Patil SMS (Horticulture) & Mr. S.K.Mudlapur, SMS (Plant Protection)			
Urea			83	581												
DAP			66	1650												
MoP			84	1411												
19:19:19 NPK			0.8	100												
Quizolpof ethyle			450 ml	720												
FC Total			4462													
KVK Contribution																
Seeds (Arka Kalyan)			1 Kg	1000												

S. 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
			blotch • High incidence of weeds • Lack of knowledge on seed production technology					SSP	200 Kg	1800				
								Lambda cylothrin	150 ml	78				
								Difenconazole	150 ml	508				
								Soluble Boron	200 gm	104				
								13:0:45 (KNO ₃)	1 Kg	100				
								KVK's Contribn. Total		3590		35900		
								Grand Total (FC + KVK-C)		8052		80520		
		Marigold	• Low productivity in existing variety	• Demonstration of Arka Bangara Marigold variety	Variety	Arka Bangara	IIHR, Bengaluru	Farmers' Contribution			3 (0.8 ha)		• Yield & profit • Duration of the crop • Marketability • Disease incidence • Pest incidence	Mr. K.T.Patil SMS (Horticulture) & Mr. S.K.Mudlapur, SMS (Plant Protection)
							Urea	88 Kg	616			1848		
							DAP	52 Kg	1300			3900		
							MoP	40 Kg	672			2016		
							ZnSO ₄	5 Kg	250			750		
							FeSO ₄	5 Kg	250			750		
							FC Total		3088			9264		
							KVK Contribution							
							Seedlings	1000 Nos.	2500			7500		
							Grand Total (FC + KVK-C)		5588			16764		

S. 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
		Banana	<ul style="list-style-type: none"> Reduced bunch weight Improper Nutrition and scheduling of irrigation Incidence of Sigatoka disease 	<ul style="list-style-type: none"> ICM in Banana <p>Following will be demonstrated</p> <ol style="list-style-type: none"> Removal of suckers Removal of weeds Drainage facilities Removal of diseased leaves Spray of Propiconazole 	Variety	Grand Naine	UAS, Dharwad & IIHR, Bengaluru	Farmers' Contribution			10 (4 ha)		<ul style="list-style-type: none"> Bunch weight No of fingers/bunch % of disease index Yield/Qt/ha 	Mr. K.T.Patil SMS (Horticulture), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. N.H.Bhandi, SMS (Soil Science)
							Urea	356 Kg	2492	24920				
							DAP	284 Kg	7100	71000				
							MoP	450 Kg	7560	75600				
							ZnSO ₄	40	2000	20000				
							FC Total		19152	191520				
							KVK Contribution							
							Banana special @ Rs. 165/kg	5 kg	825					
							Propiconazole	300 ml	390					
							Bunch cover @ Rs.15/cover	100 Nos.	1500					
							KVK's Contribn. Total		2715	27150				
							Grand Total (FC + KVK-C)		21867	218670				
		Ashwagandha	Unsustainable income from existing rabi crops	FLD on Ashwagandha	Variety	Jawahar	UAS, Dharwad	Farmers' Contribution				10 (4 ha)		
							DAP	14 Kg	350	3500				
							MoP	40 Kg	672	6720				
							Vermicompost	4 Qtl	2000	20000				
							FC Total		3022	30220				
							KVK Contribution							
							Seeds (Jawahar)	4 Kg	500	5000				
							Grand Total (FC + KVK-C)		3522	35220				

S. 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	
9.7	Livestock														
	Cattle	Cow/She Buffaloe	<ul style="list-style-type: none"> Low productivity of milk due to non feeding of green fodder Increase in inter-calving period High incidence of Ecto-Endo parasite 	(i)Fodder Production Units : Cultivation & feeding of perennial grasses and other forage crops to milking dairy animals				Farmers' Contribution			04 Nos.		<ul style="list-style-type: none"> Growth & yield parameters of all fodders Milk yield (per lactation) Fat & SNF content 	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)	
							Urea	25 Kg	225			900			
							DAP	15 Kg	375			1500			
							MoP	10 Kg	170			680			
							FC Total		770			3080			
							KVK Contribution								
					Grass	Hybrid Napier – DHN-6	Indian Grassland and Fodder Research Institute, RRS, Dharwad	Slips	400 Nos.	400					
					Grass	Guinea grass		Slips	550 Nos.	412					
					Grass	Rhodes Grass		Slips	1090 Nos.	545					
					Grass	Signal Grass		Slips	1675 Nos.	837					
					Dicot forage crop	Lucerne		Seeds	250 gm	125					
							KVK's Contribn. Total		2319		9278				
							Grand Total (FC + KVK-C)		3089		12358				
	Cattle	Cow/She Buffaloe	<ul style="list-style-type: none"> Low productivity of milk as farmers are not feeding the feed supplement 	(ii)Azolla Production Unit: Cultivation and feeding of Azolla to milking dairy animals	-	Azolla	UAS, Dharwad	Farmers' Contribution			10 Nos.		<ul style="list-style-type: none"> Milk yield (liters/day/animal) Fat & SNF content 	Dr. B.M.Murgod Programme Assistant (Animal Husbandry) & Mr. S.K.Mudlapur, SMS (Plant Protection)	
							Excavation of pit (12"x4"x1")		250			2500			
							Micronutrient mixture	1 Kg	200			2000			
							For partial shade (Poles-12 NoxRs.200)		2400			24000			
							FC Total		2850			28500			
							KVK Contribution								
							Azolla culture	1 kg	100						

S. 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
								Poly Tarpaulin (HDPE 200 GSM) sheets (12' x 9')	1	1100				
								KVK's Contribn. Total		1200		12000		
								Grand Total (FC + KVK-C)		4050		40500		
9.8	Fisheries													
9.9	Others	Field crops	Less soil fertility due to non-addition of organic manures	Soil fertility enhancement through (i) Demonstration of vermicompost unit & vermi wash	-	-	UAS, Dharwad	Farmers' Contribution					<ul style="list-style-type: none"> Quantity of vermicompost, Azolla, vermi wash & Jeevamrutha produced Effect on soil fertility & moisture holding capacity Growth parameters Yield parameter 	Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. N.H.Bhandi, SMS (Soil Science)
								Wooden poles size 10 ft x 12 inch Girth	8 No	2000				
								Wooden poles Size: 14 ft x 8 Girth	10 No	2000				
								Sieve machine	1	1200				
								FYM	1 ton	3000				
								FC Total		8200		32800		
								KVK Contribution						
								Cement bricks @ 25/brick	200	5000				
								Earthworms @ 350	2 Kg	700				
							UAS, Dharwad	Cement Tank (4 ft height x 3 ft diameter)	1 No.	1200				
							UAS, Dharwad	Cement Tank (1 ft height x 6 ft diameter)	1 No.	2500				
								Azolla culture	1 kg	100				
								Compost culture	2 Kg	120				
								Trichoderma	2 Kg	400				

S. 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
				Hence Azolla preparation is included as a demonstration component)				Zinc Sulphate	5 Kg	250		41080		
								KVK's Contribn. Total		10270				
								Grand Total (FC + KVK-C)		18470		73480		
	Others	Optimum development of infants	Delayed motor and mental development in infants and children	Stimulation kit for psychomotor development in infants	-	-	RHSc UAS, Dharwad	Stimulatory toy kit	1	2000	3 (20 children)	6000	• Motor and mental development	Mrs. Sudha S.R., SMS (Home Science)
											Grand Total FLDs	291363		

10 Training for Farmers/ Farm Women during 2015-16

S.No.	Thematic area	Crop / Enterprise	Major problem	Related field intervention (OFT/FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
10.1	Crop Production	Maize	<ul style="list-style-type: none"> • Low productivity due to imbalanced nutrition, incidence of stem borer, turcicum blight & weeds 	FLD in ICM	Integrated crop management practices in maize for higher productivity	2	60	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. N.H.Bhandi, SMS (Soil Science) & Mr. S.K.Mudlapur, SMS (Plant Protection)
		Rabi Sorghum	<ul style="list-style-type: none"> • Moisture stress during critical stages 	Assessment of BJV-44 & SPV-2217 (OFT)	Resource conservation technologies in rabi sorghum	1	30	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. N.H.Bhandi, SMS (Soil Science)
		Greengram	<ul style="list-style-type: none"> • Low productivity of existing variety • High incidence of pests & diseases • Less price due to ungraded produce 	FLD on ICM (DGGV-2 & BGS-9 varieties)	ICM practices in Greengram	2	60	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mrs. Sudha S.R., SMS (Home Science)
		Bengalgram	<ul style="list-style-type: none"> • Moisture stress • High incidence of wilt • High incidence of pod borer • Less price due to ungraded produce • Drudgery in harvesting 	FLD on ICM practices (JG-14 & JAKI-9218 varieties)	ICM practices in Bengalgram	2	60	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mrs. Sudha S.R., SMS (Home Science)
		Groundnut bunch (Kharif & Summer)	<ul style="list-style-type: none"> • Decreasing productivity of TMV-2 during summer 	FLD on ICM practices in bunch groundnut during Kharif	ICM practices in groundnut for higher productivity both in Kharif & Summer	2	60	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. N.H.Bhandi, SMS (Soil Science) & Mr. S.K.Mudlapur, SMS (Plant Protection)

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
		Bt. Cotton	<ul style="list-style-type: none"> • Imbalanced nutrition • High incidence of sucking pest • Lack of knowledge on production technology • Leaf reddening 	FLD on ICM practices	Training on ICM practices in Bt. cotton	2	60	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. N.H.Bhandi, SMS (Soil Science) & Mr. S.K.Mudlapur, SMS (Plant Protection)
		Safflower	<ul style="list-style-type: none"> • Decreasing productivity of local variety • Imbalanced nutrition • Incidence of aphids • Incidence of leaf spot 	FLD on ICM practices	Training on ICM practices in Safflower	1	30	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. N.H.Bhandi, SMS (Soil Science) & Mr. S.K.Mudlapur, SMS (Plant Protection)
		Sugarcane	Lack of knowledge on balanced nutrition and inappropriate management of smut and early shoot borer	FLD on ICM practices	Training on ICM practices with focus on irrigation, nutrient & pest management	1	30	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. N.H.Bhandi, SMS (Soil Science)
10.2	Horticulture Production & Plant Protection	Onion + Chilli	<ul style="list-style-type: none"> • High incidence of weed • High incidence of purple blotch in onion • Imbalanced nutrition • Flower drop in Chilli • Incidence of Powdery mildew 	FLD on ICM in Onion	Training on ICM practices in Onion + Chilli based cropping system	2	60	Mr. K.T.Patil, SMS (Horticulture), Mr. N.H.Bhandi, SMS (Soil Science) & Mr. S.K.Mudlapur, SMS (Plant Protection)
		Banana	<ul style="list-style-type: none"> • Improper nutrition • Reduced bunch weight • Incidence of Sigatoka disease • Lack of knowledge on production technology 	ICM in Banana	Training on ICM practices in Banana	1	30	Mr. K.T.Patil, SMS (Horticulture), Mr. N.H.Bhandi, SMS (Soil Science) & Mr. S.K.Mudlapur, SMS (Plant Protection)

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
		Marigold	<ul style="list-style-type: none"> • Low productivity in existing variety 	Demonstration of Arka Bangara Marigold variety	Training on ICM practices in Marigold	1	30	Mr. K.T.Patil, SMS (Horticulture) & Mr. S.K.Mudlapur, SMS (Plant Protection)
		Ashwgandha	<ul style="list-style-type: none"> • Unsustainable income from existing rabi crops 	Introduction of Ashwagandha crop	ICM practices in Ashwagandha	1	30	Mr. K.T.Patil, SMS (Horticulture)
10.3	Livestock Production	CB Cows	Low productivity of milk due to <ul style="list-style-type: none"> • Non cultivation of fodder crops • Incidence of ecto-endo parasites 	FLD on fodder production	<ul style="list-style-type: none"> • Promotion of fodder production technologies for getting higher milk productivity in CB Cows • Management of ecto-endo parasites & mastitis in CB Cows 	1	30	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
			Imbalanced nutrition	FLD on Azolla	<ul style="list-style-type: none"> • Cultivation and feeding of Azolla for balanced nutrition 	1	30	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
10.4	Home Science	Maize	Health problems during threshing & winnowing	FLD on ICM practices	Functional clothing for agricultural operations in Maize	2	60	Mrs. Sudha S.R., SMS (Home Science)
		Bengalgram	Drudgery in harvesting	FLD on ICM	Usage of hand gloves for harvesting of bengalgram	2	60	Mrs. Sudha S.R., SMS (Home Science)
		Nutrition (Farm women)	Lack of knowledge on balanced diet	-	Training on balanced diet and nutrition with emphasis on millet based food	5	150	Mrs. Sudha S.R., SMS (Home Science)

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
		Optimum psychomotor development in infants	Delayed motor and mental development in infants and children	Stimulation kit for psychomotor development in infants	Stimulatory toy kit for optimum psychomotor development of infants and children up to 3 years age	4	100	Mrs. Sudha S.R., SMS (Home Science)
		Vegetable preservator	Loss of nutrients and spoilage in stored vegetables	-	Importance of vegetables in diet and storage of vegetables	5	120	Mrs. Sudha S.R., SMS (Home Science)
		Drudgery in Home	Smokey kitchen resulting in health problems for women	-	Training on improved chulhas for healthy kitchen	5	150	Mrs. Sudha S.R., SMS (Home Science)
10.5	Plant Protection	Maize	High incidence of stem borer and Turcicum leaf blight	FLD on ICM in Maize	Management of stem borer and Turcicum leaf blight in Maize	1	30	Mr. S.K.Mudlapur, SMS (Plant Protection)
		Bengalgram	<ul style="list-style-type: none"> Recurring incidence of pod borer High incidence of wilt 	FLD on ICM practices	Integrated Pest Management practices for Pod borer	2	60	Mr. S.K.Mudlapur, SMS (Plant Protection)
		Groundnut	<ul style="list-style-type: none"> Incidence of collar rot, leaf minor & leaf spot 	FLD on ICM practices	Pest and disease management in Groundnut	1	30	Mr. S.K.Mudlapur, SMS (Plant Protection)
		Safflower	<ul style="list-style-type: none"> Incidence of Aphids and leaf spot 	FLD on ICM practices	Pest and disease management in Safflower	1	30	Mr. S.K.Mudlapur, SMS (Plant Protection)
		Bt. Cotton	<ul style="list-style-type: none"> High incidence of sucking pest 	FLD on ICM practices	Training on management of sucking pests in Bt. Cotton	2	60	Mr. S.K.Mudlapur, SMS (Plant Protection)
		Banana	<ul style="list-style-type: none"> Incidence of Sigatoka disease 	FLD on ICM practices	Training on IDM in Banana	1	20	Mr. S.K.Mudlapur, SMS (Plant Protection)
		Sugarcane	<ul style="list-style-type: none"> Incidence of early shoot borer 	FLD on ICM practices	Training on IPM in Sugarcane	1	20	Mr. S.K.Mudlapur, SMS (Plant Protection)

S.No.	Thematic area	Crop / Enterprise	Major problem	Related field intervention (OFT/FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
10.6	Production of Inputs at Site	All crops	Less soil fertility due to non-use of organic manure	FLD on Soil fertility management through production & usage of organic inputs	Production and application of vermicompost, Jeevamrutha and Azolla for soil fertility management	1	15	Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. N.H.Bhandi, SMS (Soil Science)
10.7	Soil Health and Fertility	All crops	Soil erosion, soil salinity etc.	-	Soil and water conservation	4	120	Mr. N.H.Bhandi, SMS (Soil Science)
					Soil fertility management through soil test based nutrient application	4	120	Mr. N.H.Bhandi, SMS (Soil Science)
10.8	PHT and value addition	Bengalgram	Less price due to sale of uncleaned and ungraded produce	FLD on ICM practices	Grading of Bengalgram for better market price	2	60	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mrs. Sudha S.R., SMS (Home Science)
		Onion + Chilli	Poor quality produce due to improper post harvest measures	FLD on ICM practices in Onion	PHT in Onion and Chilli	2	60	Mr. K.T.Patil, SMS (Horticulture)
10.9	Capacity Building Group Dynamics	Existing SHGs	Less knowledge about IGAs	-	Multiple income generation activities	4	120	Mrs. Sudha S.R., SMS (Home Science)
		CIG/FIG	Less knowledge about group management	-	Capacity building training for FIG/CIG & their management	5	100	Mr.S.H.Adapur, SMS (Ag. Extension)
10.10	Farm Mechanization	Greengram, Bengalgram & Safflower	Non availability of labour	-	Awareness on Farm mechanization	1	30	Mr. V.D.Vaikunthe, SMS (Agronomy)
10.11	Fisheries Production Technologies							

S.No.	Thematic area	Crop / Enterprise	Major problem	Related field intervention (OFT/FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
10.12	Mushroom production							
10.13	Agro forestry							
10.14	Bee Keeping							
10.15	Sericulture	Mulberry	Imbalanced nutrition	-	ICM in Mulberry	1	15	Mr. S.K.Mudlapur, SMS (Plant Protection)
	Others, pl. specify	Ground water	Insufficient irrigation water due to decreasing water table	-	Training on artificial recharge of groundwater through bore wells & open wells	1	30	Mr. N.H.Bhandi, SMS (Soil Science)

11 Training for Rural Youths 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	All crops	• Lack of interest in agriculture	-	Entrepreneurship development in agriculture and integrated agriculture	1	30	Mr.S.H.Adapur, SMS (Ag. Extension) & Other staff
11.2	Horticulture Production							
11.3	Livestock Production	Dairy enterprise	• Low productivity of milk	-	Skill upgradation training on dairy management practices	5	150	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
		Sheep & Goat	• Low body weight		Feed and endo parasite management	1	15	

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
11.4	Home Science	Health and hygiene to young girls	Lack of knowledge on health, nutrition and personal hygiene	-	Training on balanced diet and personal hygiene for young girls	6	300	Mrs. Sudha S.R., SMS (Home Science)
11.5	Plant Protection							
11.6	Production of Inputs at Site							
11.7	Soil Health and Fertility							
11.8	PHT and value addition							
11.9	Capacity Building Group Dynamics							
11.10	Farm Mechanization							
11.11	Fisheries Production Technologies	-	Lack of knowledge on fish production	-	Fish production & composite fish culture	2	60	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
11.12	Mushroom production							
11.13	Agro forestry							
11.14	Bee Keeping							
11.15	Sericulture							
	Others, pl. specify							

12 Training for Extension Personnel during 2015-16

S.No.	Thematic area	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
12.1	Crop Production	Production technologies for Kharif crops	1	20	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection), Mr. K.T.Patil, SMS (Horticulture) & Mr. N.H.Bhandi, SMS (Soil Science)
		Integrated crop management practices for Rabi crops	1	20	
12.2	Home Science				
12.3	Capacity Building and Group Dynamics	Capacity building training for FIG / CIG and their management (for ATMA staff)	1	10	Mr.S.H.Adapur, SMS (Ag. Extension)
12.4	Horticulture				
12.5	Livestock Production & Management				
12.6	Plant Protection				
12.7	Farm Mechanization				
12.8	PHT and value addition				
12.9	Production of Inputs at Site				
12.10	Sericulture				
12.11	Fisheries				

13 Vocational trainings during 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	Seed production in field crops	1 No. (3 days)	Youths	10	-	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. S.K.Mudlapur, SMS (Plant Protection)

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
13.2	Home Science	Value addition in Millets & Sorghum	1 No. (5 days)	SHGs & Youths	25	-	Mrs. Sudha S.R., SMS (Home Science)
		Value addition in Amla & Karounda	1 No. (5 days)	SHGs & women	20	-	Mrs. Sudha S.R., SMS (Home Science)
13.3	Capacity Building and Group Dynamics						
13.4	Horticulture						
13.5	Production of Inputs at Site	Organic input preparation	1 No. (6 days)	Youths	10	-	Mr. S.K.Mudlapur, SMS (Plant Protection)

14. 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			
	• Field crops	150	500	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. S.K.Mudlapur, SMS (Plant Protection)
	• Horticultural crops	100	300	Mr. K.T.Patil, SMS (Horticulture) & Mr. S.K.Mudlapur, SMS (Plant Protection)
	• Soil test based nutrient application	50	300	Mr. N.H.Bhandi, SMS (Soil Science)
	• Contingent crop planning	30	500	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. K.T.Patil, SMS (Horticulture)
	• Alternate Land Use Systems	10	150	Mr. K.T.Patil, SMS (Horticulture) & Mr. N.H.Bhandi, SMS (Soil Science)
	• Livestock development	25	300	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
	• Women health and nutrition	20	300	Mrs. Sudha S.R., SMS (Home Science)
	• Women drudgery reduction equipments	20	300	Mrs. Sudha S.R., SMS (Home Science)
• Weather, Swachha Bharat & Marketing information	15	300	Mrs.Lalita S. Asuti, Programme Assistant (Computers)	

Sl.No.	Extension Programme/ Activity*	No. of programmes or activities	Expected number of participants	Names of the team members involved
	• Organic input preparation	15	150	Mr. S.K.Mudlapur, SMS (Plant Protection)
15.2	Diagnostic Visits	20	100	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection), Mr. K.T.Patil, SMS (Horticulture) & Mr. N.H.Bhandi, SMS (Soil Science)
15.3	Field Days			
	• Maize	1	100	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. N.H.Bhandi, SMS (Soil Science) & Mr. S.K.Mudlapur, SMS (Plant Protection)
	• Bt. Cotton	1	100	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. N.H.Bhandi, SMS (Soil Science) & Mr. S.K.Mudlapur, SMS (Plant Protection)
	• Groundnut	1	100	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. N.H.Bhandi, SMS (Soil Science) & Mr. S.K.Mudlapur, SMS (Plant Protection)
	• Onion	1	100	Mr. K.T.Patil, SMS (Horticulture), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. N.H.Bhandi, SMS (Soil Science)
	• Fodder production	1	60	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
	• Bengalgram	1	75	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. S.K.Mudlapur, SMS (Plant Protection)
	• Greengram	1	75	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. S.K.Mudlapur, SMS (Plant Protection)
	• Safflower	1	50	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. S.K.Mudlapur, SMS (Plant Protection)
	• Banana	1	50	Mr. K.T.Patil, SMS (Horticulture), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. N.H.Bhandi, SMS (Soil Science)

Sl.No.	Extension Programme/ Activity*	No. of programmes or activities	Expected number of participants	Names of the team members involved
15.4	• Ashwagandha	1	75	Mr. K.T.Patil, SMS (Horticulture)
	Group Discussions • Field & Horticultural crops	5	150	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. K.T.Patil, SMS (Horticulture)
15.5	Kisan Gosthi			
	• Soil fertility management strategies	1	50	Mr. N.H.Bhandi, SMS (Soil Science) & Mr. S.K.Mudlapur, SMS (Plant Protection)
	• Diversification of crop enterprise	1	50	Mr. K.T.Patil, SMS (Horticulture) & Mr. N.H.Bhandi, SMS (Soil Science)
	• Women health and nutrition	1	50	Mrs. Sudha S.R., SMS (Home Science)
15.6	Film Shows			
	• Soil and water conservation	4	120	Mr. N.H.Bhandi, SMS (Soil Science)
	• Crop diversification	5	150	Mr. K.T.Patil, SMS (Horticulture)
	• Soil test based nutrient application	5	150	Mr. N.H.Bhandi, SMS (Soil Science)
	• Livestock health & nutrition	2	50	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
15.8	Kisan Mela	1	4000	All staff
15.9	Exhibition	3	15000	All staff
15.10	Scientists' Visit to Farmers Fields	200	800	Concerned SMS
15.11	Plant/Soil Health/Animal Health Camps	3	300	Mr. N.H.Bhandi, SMS (Soil Science) & Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
15.12	Farm Science Club	1	30	Mr.N.H.Bhandi, SMS (Soil Science)
15.13	Ex-Trainees Sammelan	2	60	Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. V.D.Vaikunthe, SMS (Agronomy)
15.14	Farmers' Seminar/Workshop			
	• Alternate Land Use Systems for drought proofing	1	100	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. K.T.Patil, SMS (Horticulture) & Mr.N.H.Bhandi, SMS (Soil Science)

Sl.No.	Extension Programme/ Activity*	No. of programmes or activities	Expected number of participants	Names of the team members involved
15.15	Method Demonstrations			
	• Organic input production	5	150	Mr. S.K.Mudlapur, SMS (Plant Protection)
	• Orchard layout	15	15	Mr. K.T.Patil, SMS (Horticulture)
	• Cycle weeder	10	300	Mrs. Sudha S.R., SMS (Home Science)& Mr. V.D.Vaikunthe, SMS (Agronomy)
	• Chulhas	10	300	Mrs. Sudha S.R., SMS (Home Science)
	• Spiral separator	2	100	Mrs. Sudha S.R., SMS (Home Science)& Mr. V.D.Vaikunthe, SMS (Agronomy)
15.16	• Hand gloves in Bengalgram	2	100	Mrs. Sudha S.R., SMS (Home Science)& Mr. V.D.Vaikunthe, SMS (Agronomy)
	Celebration of Important Days			
	• World food day	1	100	Mr. V.D.Vaikunthe, SMS (Agronomy)& other staff
15.17	• Women in agriculture day	1	100	Mrs. Sudha S.R., SMS (Home Science) & other staff
	Special Day Celebration			
15.18	• Kisan day	1	100	Mr. S.K.Mudlapur, SMS (Plant Protection)& other staff
15.18	Exposure Visits	10	300	Concerned staff
15.19	Technology Week	1	8000	All staff
15.20	Farmers Field School (FFS on Bt. Cotton crop)	1	20	Mr. V.D.Vaikunthe, SMS (Agronomy) Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. N.H.Bhandi, SMS (Soil Science)
15.21	Farm Innovators Meet	1	25	All staff
15.22	Awareness Programs			
	• Soil & water conservation	4	120	Mr. N.H.Bhandi, SMS (Soil Science)
	• Soil test based nutrient application	3	120	Mr. N.H.Bhandi, SMS (Soil Science)
	• Contingent crop planning	5	300	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. K.T.Patil, SMS (Horticulture)
	• Livestock health & nutrition	3	200	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
	• Women health & nutrition	5	350	Mrs. Sudha S.R., SMS (Home Science)

Sl.No.	Extension Programme/ Activity*	No. of programmes or activities	Expected number of participants	Names of the team members involved
	• Drudgery reducing equipments	5	350	Mrs. Sudha S.R., SMS (Home Science)
	• IGAs to SHGs	5	300	Mrs. Sudha S.R., SMS (Home Science)
	• Organic input production	5	200	Mr. S.K.Mudlapur, SMS (Plant Protection)

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	• Value addition in Amla, Cashew & Karounda	1000 farmers/farm women visit to the units	Mrs. Sudha S.R., SMS (Home Science)
		• Mixed orchard of fruit crops – Mango, Cashew, Custard apple and Sweet lime	2000 farmers/farm women	Mr. K.T.Patil, SMS (Horticulture)
16.1.3	Lab Analytical services	• Soil, water & plant testing	1000 samples	Mr. N.H.Bhandi, SMS (Soil Science)
		• Identification of pest and disease	50 samples	Mr. S.K.Mudlapur, SMS (Plant Protection)
16.1.4	Technology Week	Technologies relevant to Gadag district	8000 Nos.	All 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		Onion seeds (Arka Kalyan)	5.00 Qtls	Mr. K.T.Patil, SMS (Horticulture) & Mr. S.L.Halemani, Farm Manager
			Greengram (DGGV-2)	10.00 Qtl	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. S.L.Halemani, Farm Manager
			Greengram (BGS-9)	10.00 Qtl	
			Bengalgram (JAKI-9218)	10.00 Qtl	
			Rabi Sorghum (M 35-1)	10.00 Qtl	
			Rabi Sorghum (CSV-22)	10.00 Qtl	
16.2.2	Planting materials		Mango (Alphonso)	5000 Nos.	Mr. K.T.Patil, SMS (Horticulture) & Mr. S.L.Halemani, Farm Manager
			Sapota	500 Nos.	
			Tamarind	500 Nos.	
			Amla	500 Nos.	
16.2.3	Bio-products	-	Vermicompost	20 tonn	Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. S.L.Halemani, Farm Manager
			Vermi wash	1000 liter	
			Earthworms	200 Kgs	
			Azolla	200 Kgs	

16.3 Technological Information

	Category	Technological capsules / Number	Names of the team members involved
16.3.1	Technology backstopping to line departments		
	Agriculture	<ul style="list-style-type: none"> • Role of macro & micro nutrients in crop production • In-situ soil & water conservation practices 	Mr. N.H.Bhandi, SMS (Soil Science)
		<ul style="list-style-type: none"> • Pod borer identification and management in Greengram • Groundnut leaf minor and leaf spot : Early identification and management • Maize Turcicum leaf blight identification and management • Bt. Cotton leaf reddening management • Bt. Cotton sucking pest management • Bt. Cotton Blackarm and Alternaria leaf spot disease identification and management • Early shoot borer identification and management in Sugarcane • Onion thrips and purple blotch identification and management • Chilli murda complex identification and management • Bengalgram pod borer and wilt identification and management • Mango hopper and powdery mildew identification and management • Banana Sigatoka disease management • Organic input preparation technology • Azolla cultivation 	Mr. S.K.Mudlapur, SMS (Plant Protection)
		<ul style="list-style-type: none"> • Chemical weed management • Seed priming with CaCl₂ for Rabi Sorghum • Pair row method of sowing in Groundnut • Wider row method of sowing in Sunflower • Pair row method of sowing in Rabi Sorghum • Opening of conservation furrow for moisture conservation • Compartment bunding for soil moisture conservation • Nipping in Bengalgram & its importance • Foliar spray of Boron for seed setting 	Mr. V.D.Vaikunthe, SMS (Agronomy)
	Horticulture	<ul style="list-style-type: none"> • Weed management in Onion • Post harvest management in Chilli • Nutrient management in Banana • Dry land horticulture technologies 	Mr. K.T.Patil, SMS (Horticulture)

	Category	Technological capsules / Number	Names of the team members involved
		<ul style="list-style-type: none"> Flower & vegetable maintenance in Green house Different types of poly houses & cultivation aspects Nutrient management in Chrysanthemum 	
	Animal Husbandry	<ul style="list-style-type: none"> Project Reports for Dairy Farming 	Dr. B.M. Murgod Programme Assistant (Animal Husbandry)
	Fisheries		
	Agricultural Engineering	<ul style="list-style-type: none"> Laser guided land leveler 	Mr. N.H.Bhandi, SMS (Soil Science)
	Sericulture	<ul style="list-style-type: none"> Mulberry cultivation through organic farming practices 	Mr. S.K.Mudlapur, SMS (Plant Protection)
	Others, pl. specify	<ul style="list-style-type: none"> Artificial recharge of groundwater through bore wells and open wells 	Mr. N.H.Bhandi, SMS (Soil Science)
		<ul style="list-style-type: none"> Women & Child Welfare Department and Mahila Samukhya <ol style="list-style-type: none"> Drudgery reducing equipments in farm Fuel saving devices Millet processing Nutrition & reproductive health Stimulatory toys and play materials for infants 	Mrs. Sudha S.R., SMS (Home Science)
16.3.2	Literature/publication	Leaflets	
		<ul style="list-style-type: none"> Scientific Dairy Management in Rainfed area 	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
		<ul style="list-style-type: none"> Success stories of progressive farmers Value added products of Sorghum 	Mrs. Sudha S.R., SMS (Home Science)
		<ul style="list-style-type: none"> Importance of soil and water testing & methods of soil & water sample collection Soil & water conservation measures for dry land agriculture 	Mr. N.H.Bhandi, SMS (Soil Science) & V.D.Vaikunthe, SMS (Agronomy)
		<ul style="list-style-type: none"> Mango pest and disease management 	Mr. S.K.Mudlapur, SMS (Plant Protection)
		<ul style="list-style-type: none"> Production technologies in Onion Post harvest management in Mango 	Mr. K.T.Patil, SMS (Horticulture)
		<ul style="list-style-type: none"> Production technology in Greengram Integrated crop management in Maize Integrated crop management in Bt. Cotton 	Mr.V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. N.H.Bhandi, SMS (Soil Science)

	Category	Technological capsules / Number	Names of the team members involved
		<ul style="list-style-type: none"> • Production technology in Groundnut • Production technology in Bengalgram • Production technology in Sugarcane • Production technology in Safflower 	
		<ul style="list-style-type: none"> • Publication on Farmers' Innovations 	Mrs. Sudha S.R., SMS (Home Science) & other staff
		<p><u>Krishi Vigyan Patrike</u></p> <ul style="list-style-type: none"> • Importance & methods of soil and water testing • Soil & water conservation measures • Alternate land use systems • Role of nutrients for higher production 	Mr. N.H.Bhandi, SMS (Soil Science) & Mr. V.D.Vaikunthe, SMS (Agronomy)
		<ul style="list-style-type: none"> • Tips on cultivation of onion & chilli • Weed management in onion • Nutrient management in Mango & Banana • Mango orchard management • Onion seed production technology 	Mr. K.T.Patil, SMS (Horticulture)
		<ul style="list-style-type: none"> • Spiral separator • Cashew – A rich crop in drylands • Importance & value addition in millets 	Mrs. Sudha S.R., SMS (Home Science)
		<ul style="list-style-type: none"> • Compartment bunding for moisture conservation • Production technology of Maize • Paired row method of sowing in Groundnut • Integrated nutrient management in Groundnut • Wider row method of sowing in Sunflower • Foliar spray of boron for seed setting in Sunflower • Detopping and its importance in Bengalgram • Paired row method of sowing in Rabi Sorghum • CaCl₂ seed priming & its importance in Rabi Sorghum 	Mr. V.D.Vaikunthe, SMS (Agronomy)
		<ul style="list-style-type: none"> • Groundnut defoliator, leaf minor, collar rot and leaf spot management • Onion thrips and purple blotch management • Chilli murda complex management • Banana pest and disease management 	Mr. S.K.Mudlapur, SMS (Plant Protection)

	Category	Technological capsules / Number	Names of the team members involved
16.3.4	Electronic Media	TV Programmes:	
		<ul style="list-style-type: none"> • Soil & water conservation measures • Alternate land use system for dry land agriculture • Recharging of ground water through bore well and open well 	Mr. N.H.Bhandi, SMS (Soil Science)
		<ul style="list-style-type: none"> • Empowerment of women 	Mrs. Sudha S.R., SMS (Home Science)
		<ul style="list-style-type: none"> • Demonstration on enrichment of dry fodder and Azolla cultivation 	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
		<ul style="list-style-type: none"> • Banana Sigatoka disease management • Vermiwash preparation and usage 	Mr. S.K.Mudlapur, SMS (Plant Protection)
		<ul style="list-style-type: none"> • Dry land horticulture technologies • Production technology in Banana 	Mr. K.T.Patil, SMS (Horticulture)
		<ul style="list-style-type: none"> • Dryland agronomic practices for <i>in-situ</i> moisture conservation 	Mr. V.D.Vaikunthe, SMS (Agronomy)
		Radio programmes:	
		<ul style="list-style-type: none"> • Soil & water conservation measures • Soil fertility management practices • Site specific nutrients application for higher production 	Mr. N.H.Bhandi, SMS (Soil Science)
		<ul style="list-style-type: none"> • Agro processing • Nutrition for teenagers 	Mrs. Sudha S.R., SMS (Home Science)
		<ul style="list-style-type: none"> • Organic farming and its importance 	Mr. S.K.Mudlapur, SMS (Plant Protection)
		<ul style="list-style-type: none"> • Onion seed production technologies 	Mr. K.T.Patil, SMS (Horticulture)
<ul style="list-style-type: none"> • Resource conservation technologies in Kharif crops 	Mr. V.D.Vaikunthe, SMS (Agronomy)		
16.3.5	Kisan Mobile Advisory Services	Soil Science aspects – 15 Nos.	Mr. N.H.Bhandi, SMS (Soil Science)
		Home Science aspects – 10 Nos.	Mrs. Sudha S.R., SMS (Home Science)
		Plant Protection aspects – 15 Nos.	Mr. S.K.Mudlapur, SMS (Plant Protection)
		Horticulture aspects – 15 Nos.	Mr. K.T.Patil, SMS (Horticulture)

	Category	Technological capsules / Number	Names of the team members involved
		Agronomic aspects – 20 Nos.	Mr.V.D.Vaikunthe, SMS (Agronomy)
		Animal Science aspects – 15 Nos.	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
		Market information, Input availability, Swachcha Bharat Andolan & weather information & other messages	Mrs. Lalita S. Asuti, Programme Assistant (Computers)
16.3.6	Information on centre/state sector schemes and service providers in the district.	Information on schemes of State Department of agriculture and horticulture	Mr.V.D.Vaikunthe, SMS (Agronomy), Mr. K.T.Patil, SMS (Horticulture), Mr. S.K.Mudlapur, SMS (Plant Protection), & Dr. B.M.Murgod Programme Assistant (Animal Husbandry)

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	NICRA	I) NRM interventions	1) Disilting of check dams (2 Nos.) & disilting of tank (1 No.)	160000	Mr. N.H.Bhandi, SMS (Soil Science), Mr.V.D.Vaikunthe, SMS (Agronomy), Mr. K.T.Patil, SMS (Horticulture), Mr. S.K.Mudlapur, SMS (Plant Protection), Mrs. Sudha S.R., SMS (Home Science) & Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
			2) Soil testing (100 samples)	100000	
			3) Production of vermicompost (4 units)	26000	
			Sub Total	286000	
		II) Crop production interventions	1) Demonstration of short duration / drought tolerant varieties of major crops including improved agronomic practices	65000	
			2) Demonstration of dry land horticulture (Mango/Cashewnut-17 acres)	51000	
			Sub Total	116500	
		III) Livestock interventions	1) Year-round fodder production (3 Nos.)	12000	
			2) Silage demonstration (3 Nos.)	6000	
			3) Enrichment of dry fodder (4 Nos.)	4000	
Sub Total	22000				

S.No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
		IV) Community interventions	1) Establishment of Fodder Bank (1 No.)	25000	
			2) Establishment of Seed Bank (1 No.)	24000	
			3) Furniture / charis for VCRMC / CHC	15000	
			4) Training programme (2 Nos.)	9000	
			5) Field days (3 Nos.)	7500	
			6) Exposure visits	50000	
			7) Media products	5000	
			8) Contractual man power (2 Field Assistants)	240000	
			9) POL / Hiring of vehicle	50000	
			10) TA	75000	
			11) Procurement of farm machinery / implements for Custom Hiring Center (CHC)	700000	
		Sub Total	1200500		
			Grand Total	1625000	

18. Revolving Fund

18.1 Financial status

Opening balance as on 01.04.2014 (Rs.in Lakh)	Expenditure incurred during 2014-15 (Rs.in Lakh)	Receipts during 2014-15 (Rs.in Lakh)	Closing balance as on 31.01.2015 (Rs.in Lakh)	Expected closing balance by 31.03.2015 (Including value of material in stock/ likely to be produced)
5.825	11.991	12.023	5.857	10.00

18.2 Plan of activities under Revolving Fund

S.No.	Proposed activities	Expected output	Anticipated income (Rs.)	Names of the team members involved
18.2.1	Amla products	2.0 Qtl	20000	Mrs. Sudha S.R., SMS (Home Science)
18.2.2	Karounda/Amla pickle	8.0 Qtl	32000	Mrs. Sudha S.R., SMS (Home Science)
18.2.3	Onion seed production	5.0 Qtl	400000	Mr. K.T.Patil, SMS (Horticulture)
18.2.4	Mango grafts	5000	25000	Mr. K.T.Patil, SMS (Horticulture)
18.2.5	Sapota grafts	500	2500	Mr. K.T.Patil, SMS (Horticulture)

S.No.	Proposed activities	Expected output	Anticipated income (Rs.)	Names of the team members involved
18.2.6	Tamarind grafts	500	2500	Mr. K.T.Patil, SMS (Horticulture)
18.2.7	Amla grafts	500	2500	Mr. K.T.Patil, SMS (Horticulture)
18.2.8	Seed production in Bengalgram	50 Qtl	50000	Mr. V.D.Vaikunthe, SMS (Agronomy)
18.2.9	Vermicompost production	15 ton	60000	Mr. S.K.Mudlapur, SMS (Plant Protection)
18.2.10	Vermi wash	500 liters	20000	Mr. S.K.Mudlapur, SMS (Plant Protection)
18.2.11	Earth worms	2 Qtl	60000	Mr. S.K.Mudlapur, SMS (Plant Protection)

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

Sl.No.	Type	No. of samples to be analyzed	Names of the team members involved
19.1	Soil	550	Mr. N.H.Bhandi, SMS (Soil Science)
19.2	Water	450	Mr. N.H.Bhandi, SMS (Soil Science)
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 : Bengalgram	March 2016	
20.2	Creation and maintenance of relevant database system for KVK		
	i) Bench mark data	31-03-2016	
	ii) OFT		Already maintained
	iii) FLD		Already maintained
	iv) Training database		Already maintained
	v) Seeds & planting material		Already maintained
	vi) All Extension activities		Already maintained
	vii) Farmers visiting to KVK		Already maintained
	viii) Field visits		Already maintained
	ix) District database		Already maintained
	x) Soil & water test details		Already maintained
	xi) Database on KVK (i.e regarding KVK details, host institute details, staff information, KVK land information, KVK infrastructure, demo units, vehicle, office, lab, farm equipment & library)		Already maintained

S. No	Nature of activities	Likely period of completion (please set the time frame)	Remarks if any
	xii) HRD of KVK staff (i.e training/seminar/workshop attended by KVK staff)		Already maintained
	xiii) Publications of KVK activities in news papers		Already maintained
	xiv) Villages covered by KVK since inception		Already maintained
	xv) Kisan mobile advisory services – Subscribers and messages sent		Already maintained
	xvi) Farm implements		Already maintained
20.3	Any other – Updating website of KVK	Every 15 days	
	Online reporting system of KVK	Entering data every month	Already started

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	Training on rainwater harvesting measures to farmers & farm women for 200 numbers	-
21.2	Training on rainwater harvesting measures for 50 extension functionaries	-
21.3	Exposure visit for rainwater harvesting structures for 1000 farmers/farmwomen	-

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	January, 2016
22.3	Brief action plan in this regard	Applications from farmers involved in innovation development are invited through local news papers, Preliminary meetings of innovators will be held at KVK during November-December, 2015. The details of innovations will be documented and best innovation will be selected for publication based on the utility of the innovation. The selected Innovator will be felicitated during technology week celebration, 2016.

24. Budget - Details of budget utilization (2014-15) upto 31 January 2015

(Rs. in lakhs)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
24.1	Recurring Contingencies			
24.1.1	Pay & Allowances	120.050	120.050	120.050
24.1.2	Traveling allowances	1.00	1.00	0.999
24.1.3	Contingencies	0.00	0.00	0.00
24.1.4.	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance	1.25	1.25	1.25
<i>1</i>				
<i>B</i>	POL, repair of vehicles, tractor and equipments	0.75	0.75	0.75
<i>C</i>	Meals/refreshment for trainees	0.50	0.50	0.50
<i>D</i>	Training material	0.50	0.50	0.50
<i>E</i>	Frontline demonstration except oilseeds and pulses	3.30	3.30	3.30
<i>F</i>	On farm testing	0.60	0.60	0.60
<i>G</i>	Training of extension functionaries	0.10	0.10	0.10
<i>H</i>	Maintenance of buildings	0.10	0.10	0.10
<i>I</i>	Library	0.00	0.00	0.00
<i>J</i>	Extension activities	0.10	0.10	0.10
<i>K</i>	Farmers' Field School	0.10	0.10	0.10
<i>L</i>	Integrated Farming System	0.10	0.10	0.10
<i>M</i>	Innovative activities	0.10	0.10	0.10
24.1	Total Recurring	128.55	128.55	128.549
24.2	Non-Recurring Contingencies			
24.2.1	Works	0.000	0.000	0.000
24.2.2	Equipments including SWTL & Furniture	0.000	0.000	0.000
24.2.3	Vehicle (Four wheeler/Two wheeler, please specify)	0.000	0.000	0.000
24.2	Total Non Recurring	0.000	0.000	0.000
24.3	REVOLVING FUND	0.000	0.000	0.000
24.4	GRAND TOTAL (A+B+C)	128.55	128.55	128.549

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

Sl. No.	Particulars	Rs. In lakhs BE 2015-16 proposed (Rs.)
25.1	Recurring Contingencies	
25.1.1	Pay & Allowances	144.85
25.1.2	Traveling allowances	2.50
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)	4.00
B	POL, repair of vehicles, tractor and equipments	4.00
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)	1.50
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	2.92
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.25
G	Training of extension functionaries	0.50
H	Maintenance of buildings	1.00
I	Establishment of Soil, Plant & Water Testing Laboratory	0.50
J	Library	0.25
K	FFS	0.30
L	Extension Activities	1.00
M	Innovative Activities	0.00
N	IFS	0.45
25.1	TOTAL Recurring Contingencies	165.27
25.2	Non-Recurring Contingencies	
25.2.1	Works (Repair works of Hostel building)	7.50
25.2.2	Equipments(LCD, Laptop & Xerox machine)	3.25
25.2.3	Vehicle (Tractor)	10.00
25.2.4	Library (Purchase of assets like books & journals)	0.50
25.2	TOTAL Non-Recurring Contingencies	20.75
25.3	REVOLVING FUND	0.00
25.4	GRAND TOTAL	186.02

-----XXXXXXX-----