

**ACTION PLAN OF KVK GADAG**  
**FOR THE YEAR 2011-12**

Presented at

**ACTION PLAN MEETING**  
**(3<sup>rd</sup> – 4<sup>th</sup> March, 2011)**

Venue

**Zonal Project Directorate**  
**ICAR, Zone VIII, Bangalore**

Prepared by

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**ACTION PLAN (2011-12)**  
**OF**  
**K.H. PATIL KRISHI VIGYAN KENDRA, HULKOTI, GADAG DISTRICT**

**I. General information about the Krishi Vigyan Kendra**

1.	Name and address of KVK with Phone, Fax and e-mail	:	K.H. Patil Krishi Vigyan Kendra Hulkoti – 582205 Dist.: Gadag Phone : (08372) 289606 Fax : (08372) 289474 E-mail : <a href="mailto:khpatil_kvkhulkoti@yahoo.com">khpatil_kvkhulkoti@yahoo.com</a> <a href="mailto:kvkhulkoti@gmail.com">kvkhulkoti@gmail.com</a>
2.	Name and address of host organization with Phone, Fax and e-mail	:	Agricultural Science Foundation Hulkoti – 582205 District: Gadag Phone : (08372) 289069 Fax : (08372) 289474 E-mail : <a href="mailto:asf_hulkoti@yahoo.co.in">asf_hulkoti@yahoo.co.in</a>
3.	Name of the Programme Coordinator Residence Phone Number/ Mobile No.	:	Dr. L.G.Hiregoudar Phone (R) : (08372) 289772 (M) : 09448358772
4.	Year of sanction	:	1985
5.	Year of start of activities	:	1985
6.	Major farming systems/enterprises	:	A) <i>Field crop based Farming systems</i> (i) Chilli + Onion + Cotton, Onion + Chilli (ii) Groundnut – Rabi jowar/ Wheat (iii) Greengram – Sunflower / Rabi jowar/ Wheat /Bengalgram (iv) Maize – Bengalgram / Wheat (Irrigated) (v) Kharif jowar + Tur (vi) Bt Cotton B) <i>Horticulture based Farming systems</i> (i) Vegetable Crops (Irrigated condition) (ii) Flower crops (irrigated) (iii) Mango (mainly dryland) C) <i>Major Enterprises</i> (i) Dairy farming (ii) Sheep rearing (iii) Goat rearing
7.	Name of agro-climatic zone	:	<ul style="list-style-type: none"> <li>▪ Northern Dry Zone (Region – 2) comprising of Gadag, Ron, Naragund and Mundaragi blocks</li> <li>▪ Semi transitional Zone -8 comprising of Shirahatti block</li> </ul>
8.	Soil type	:	Deep black to medium black soils, red sandy soil and red clay soils
9.	Annual rainfall (mm)	:	612 mm

**II. Staff Strength as on 01-02-2011:**

	Programme Coordinator	Subject Matter Specialists	Programme Assistant	Administrative Staff	Auxiliary Staff	Supporting Staff	Total
Sanctioned	1	6	3	2	2	2	16
Filled	1	6	3	2	2	2	16
Vacant	0	0	0	0	0	0	0

### III. Details of staff as on 01-02-2011

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	Existing Pay scale	Number in which directly associated in the proposed programmes				Date of joining	Permanent / Temporary	
					No. of technologies to be assessed / refined	FLDs	Training Programmes	Extension Programmes			
1.	Programme Coordinator	Dr. L.G. Hiregoudar	Crop Physiology	16400-22400	1	1	13	-	05.09.1992	Permanent	
2.	Subject Matter Specialist	Mr. S.K.Mudlapur	Plant Protection	10000-15200	2	4	35	-	26.09.1994	Permanent	
3.	Subject Matter Specialist	Mr. S.H.Adapur	Ag. extension	10000-15200	-	-	08	51	23.06.1995	Permanent	
4.	Subject Matter Specialist	Smt. S.S.Rayanagoudar	Home Science	10000-15200	2	4	33	-	26.06.1995	Permanent	
5.	Subject Matter Specialist	Mr. V.D.Vaikunthe	Agronomy	10000-15200	2	8	23	-	01.07.1995	Permanent	
6.	Subject Matter Specialist	Mr. K.T.Patil	Horticulture	10000-15200	-	2	18	-	01.07.1995	Permanent	
7.	Subject Matter Specialist	Mr. N.H.Bhandi	Soil Science	8000-13500	-	3	27	-	01.06.2005	Permanent	
8.	Programme Assistant	Mr. B.M.Murgod	Animal Husbandry	5500-9000	1	5	27	-	25.06.2007	Permanent	
9.	Farm Manager	Mr. Suresh L. Halemani	-	5500-9000	<b>Total</b>	<b>8</b>	<b>27</b>	<b>184</b>	<b>51</b>	01.02.2011	Permanent
10.	Computer Programmer	Smt. L.S.Asuti	-	5500-9000	<b>NOT APPLICABLE</b>				01.06.2005	Permanent	
11.	Accountant/ Superintendent	Mr. M.B. Jakkanagoudar	-	5500-9000					25.06.2007	Permanent	
12.	Stenographer	Smt. M.Halappanavar	-	4000-6000					01.01.2011	Permanent	
13.	Driver 1	Mr. N.L. Hadapad	-	3200-4900					03.09.1992	Permanent	
14.	Driver 2	Mr. G.D. Madivalar	-	3200-4900					20.07.1995	Permanent	
15.	Supporting staff 1	Mr. S.B. Kotabagi	-	3050-4590					18.07.1985	Permanent	
16.	Supporting staff 2	Mr. V.R. Navalli	-	3050-4590					20.07.1993	Permanent	

#### IV.. Plan of Human Resource Development of KVK personnel during 2011-12

Sl. No	Discipline	Area of training required	Institution where training is offered	Organization	Justification	Highlight on Future programmes to be planned after training	Approximate duration (days)	Training fee (Rs.)
1	Home Science	(i) Preliminary processing & value addition of pulses	CIPHET Ludhiana	ICAR	Farmers are selling whole pulses at cheaper rate. So to promote value addition training is required	• Value addition in pulses mainly greengram & bengalgram	One week	-
		(ii) Branding and licensing of food products	Any relevant institution	-	For branding and sale of SHG products as our KVK had constructed marketing building	• For establishing KVK Mall at KVK premises for the sale of SHG products	3-4 days	-
2	Ag. Extension	(i) Promotion of commodity interest groups	Manage, Hyderabad	MoA, Gol	To promote Mango grower commodity groups	• Establishment of Mango grower commodity groups	5 days	6000
		(ii) Farm mechanization extension	Manage, Hyderabad	MoA, Gol	To initiate farm mechanisation	• To organize training programmes & demonstrations on farm mechanisation	5 days	6000
3	Horticulture	Hitech production technology in vegetable fruits & flower crops	IIHR, Bangalore	ICAR	To know the latest technology developed & varieties released	• Seed production, training & demonstration	7 days	25000
			NRC, Onion & Garlic, Pune	ICAR	To know the latest technology developed & varieties released	• Seed production, training & demonstration		
			NRC, Lucknow	ICAR	To know the latest technology developed & varieties released	• Seed production, training & demonstration		
		Cashew fruit & nut processing	NRC, Puttur	ICAR	To know technology of cashew processing	• Training & demonstration	5 days	
4	Agronomy	(i) Sugarcane production	SBI, Coimbatore	ICAR	Sugarcane area is increasing	• Imparting training to farmers	5 days	5000
		(ii) Chemical weed management	UAS, Dharwad	Agriculture University	Labour problem for weeding	• Imparting the training to farmers	3 days	3000
5	Plant protection	(i) IPM in Horticulture crop	IIHR, Bangalore or NCIPM, Delhi	ICAR	To know the latest IPM technologies	• Imparting training to farmers	6 days	7000
		(ii) IPM in Sugarcane	SBI, Coimbatore	ICAR	Sugar cane area is increasing	• Imparting training to farmers	5 days	5000
6	Farm manager	(i) Protective cultivation	ICAR	ICAR	Required to implement in the farm	• Strengthening KVK Demo. Unit	6 days	-
		(ii) Seed production & certification	IIHR, Bangalore/ UAS, Dharwad	ICAR/ Agriculture University	To take up seed production activities more efficiently	• Taking up seed production on large scale	4 days	-

## V. Infrastructure

### i) Land

Total Area (ha)	Area Cultivated (ha)	Area occupied by buildings and roads (ha)	Area with demonstration units (ha)
20	20	1.5	0.5

### ii) Buildings

Admin. Building			Trainees Hostel			Staff Quarters			Demonstration Unit		
Plinth area (m <sup>2</sup> )	Cost (Rs. in lakhs)	Year	Plinth area (m <sup>2</sup> )	Cost (Rs. in lakhs)	Year	Plinth area (m <sup>2</sup> )	Cost (Rs. in lakhs)	Year	No.	Plinth area (m <sup>2</sup> )	Cost (Rs. in lakhs)
800	33.46	1996	550	17.26	1997	400	45.00	2006	Dairy, sheep & goat	150	6.63
									Vermicompost	350	5.30
									Nursery	150	3.00

### iii) Vehicles

Type of vehicle	Model	Actual cost (Rs.)	Total kms. Run	Present status
Bolero SLX	2009	6.90	26304 Kms	Good
Mahindra Tractor	2003	5.00	64303 hours	Good
Motor cycle	2005	0.40	77829 Kms	Good
Motor cycle	2009	0.50	8043 Kms	Good

### iv) Equipments and AV aids

Sl. No.	Name of Equipments	Date of purchase	Cost (Rs.in lakhs)	Present status
1	Computer	2003	1.25	Good
2	Camera	1998	0.14	Good
3	Television	1999	0.28	Good
4	Amplifier	1998	0.15	Good
5	Fax	2004	0.25	Good
6	OHP	2004	0.25	Good
7	Hipro lab model gin machine	2006	0.70	Good
8	Seed delinting machine	2006	0.18	Good
9	Cotton seed sorter	2007	0.50	Good
10	Seed treatment drum	2007	0.40	Good
11	Lap top Computer	2007	0.54	Good
12	LCD	2007	0.56	Good
13	Ceramic black board	2007	0.12	Good
14	Rotavator	2008	0.92	Good
15	Rotary weeder	2009	3.90	Good
16	Laser guided land leveler	2011	3.90	Good
17	Power tiller	2011	2.72	Good
18	Lab equipments for dairy and goatery	2011	0.50	Good
19	Generator	2011	1.00	Good

## VI. Details of SAC meeting conducted during 2010-11

Sl. No	Date	Major recommendations of SACs which are to be implemented during 2010-11
01	25-06-2010	• Give feed back of farmers about technologies demonstrated under FLD
		• Organise programme on market led extension
		• Arrange Farmers-Scientist interaction
		• Facilitate farmers interview with AIR & TV
		• Develop technology leaders in lead crops & other enterprises
		• Give more thrust on pulse production
		• Procurement of seeds produced in FLDs need to be taken
02	04-12-2010	• Organise training on health, hygiene and nutrition for Anganawadi workers
		• To test Kadiri-6 and ICGV-91114 varieties of bunch groundnut in Shirahatti block during next Kharif season.
		• To address problems faced by sericulture farmers through technology assessment and refinement or Frontline Demonstrations
		• To organize more number of trainings to farmers of Malaprabha command area.
		• To maintain database of KVK activities
		• To conduct radio lessons to farmers on Field School through AIR Dharwad
• To organize more number of Income Generation Programmes to Women SHG members		

## VII. Planning of SAC during 2011-12

Sl. No	Date planned for conducting SAC meeting during 2011-12
01	31-05-2011
02	04-11-2011

## VIII. Plan of Work for 2011-12

### 1. Operational areas details for 2011-12

Sl. No.	Taluk	Blocks/groups of villages	Major crops & enterprises being practiced	Major problems identified	Identified thrust areas	Existing / New Please State without fail	If existing from which year Please state
1	Gadag	A) <b>Asundi cluster</b> (Comprising of Asundi, Kurthkoti & Mallasamudra )	Greengram	<ul style="list-style-type: none"> <li>Moisture stress</li> <li>Non-availability of quality seeds</li> <li>Incidence of pod borer</li> <li>Incidence of powdery mildew</li> <li>Incidence of storage pest</li> <li>Less market price</li> </ul>	<ul style="list-style-type: none"> <li>Moisture conservation practices</li> <li>Seed production activities</li> <li>Pod borer management</li> <li>Powdery mildew</li> <li>Management of stored grain pest</li> <li>Value addition through grading</li> </ul>	Existing	2010-11
			Bunch groundnut	<ul style="list-style-type: none"> <li>Moisture stress</li> <li>Incidence of weeds</li> <li>Non-availability of quality seeds</li> <li>Poor shelling percentage</li> <li>Collar rot incidence</li> <li>Drudgery in hand shelling of Groundnut</li> <li>Lack of knowledge on improved practices</li> </ul>	<ul style="list-style-type: none"> <li>Moisture conservation practices</li> <li>Chemical Weed Management</li> <li>Seed production</li> <li>Integrated Nutrient Management</li> <li>Management of collar rot</li> <li>Promotion of Groundnut Decorticator</li> <li>Knowledge dissemination through FRC</li> </ul>	Existing	2010-11
			Bt. Cotton	<ul style="list-style-type: none"> <li>Dropping of squares of tender bolls and leaf reddening</li> <li>Incidence of sucking pest</li> <li>Lack of knowledge on Bt. Cotton cultivation</li> </ul>	<ul style="list-style-type: none"> <li>Integrated Nutrient Management</li> <li>Integrated Pest Management</li> <li>Knowledge dissemination through FRC</li> </ul>	Existing	2010-11



Sl. No.	Taluk	Blocks/groups of villages	Major crops & enterprises being practiced	Major problems identified	Identified thrust areas	Existing / New Please State without fail	If existing from which year Please state
			Onion	<ul style="list-style-type: none"> <li>High incidence of purple blotch</li> <li>Incidence of thrips</li> <li>Bulb Rot</li> <li>High incidence of weeds</li> </ul>	<ul style="list-style-type: none"> <li>Varietal Introduction</li> <li>Thrips management</li> <li>Integrated Nutrient Management and assessment of resistant variety</li> <li>Seed rate, spacing and chemical weed management</li> </ul>	Existing	2010-11
			Chilli	<ul style="list-style-type: none"> <li>High incidence of Murda</li> <li>High incidence of Anthracnose</li> <li>Lack of knowledge on selection of pods for seed purpose</li> </ul>	<ul style="list-style-type: none"> <li>Integrated pest management</li> <li>Anthracnose management</li> <li>Knowledge dissemination through FRC &amp; training</li> </ul>	Existing	2010-11
			Rabi Jowar	<ul style="list-style-type: none"> <li>Moisture stress</li> </ul>	<ul style="list-style-type: none"> <li>Assessment of short duration variety &amp; seed priming</li> </ul>	Existing	2010-11
			Brinjal	<ul style="list-style-type: none"> <li>Incidence of Red Spider mite</li> <li>Incidence of shoot and fruit borer</li> <li>Lack of storage facilities at house hold level</li> </ul>	<ul style="list-style-type: none"> <li>Management of Red Spider mite</li> <li>Integrated Pest Management</li> <li>Promotion of Zero Energy Cool Chamber</li> </ul>	Existing	2010-11
			Tomato	<ul style="list-style-type: none"> <li>Incidence of leaf curl</li> </ul>	<ul style="list-style-type: none"> <li>Leaf curl management</li> </ul>	Existing	2010-11
			<b>Livestock enterprises</b> Buffalo rearing	<ul style="list-style-type: none"> <li>Feeding of dry fodder leading to low milk production</li> <li>Worm infestation</li> </ul>	<ul style="list-style-type: none"> <li>Animal nutrition</li> <li>Deworming</li> </ul>	Existing	2010-11
			C.B. Cows	<ul style="list-style-type: none"> <li>Tick infestation</li> <li>Lack of knowledge on feed management</li> <li>Delayed inter calving period</li> </ul>	<ul style="list-style-type: none"> <li>Tick management</li> <li>Training</li> <li>Nutrition management</li> </ul>		

Sl. No.	Taluk	Blocks/groups of villages	Major crops & enterprises being practiced	Major problems identified	Identified thrust areas	Existing / New Please State without fail	If existing from which year Please state
			Sheep	<ul style="list-style-type: none"> <li>Incidence of Endoparasites</li> </ul>	<ul style="list-style-type: none"> <li>Parasite management</li> </ul>		
		<b>B) Lakkundi cluster</b> (comprising of Lakkundi, Papanashi and Sambhapur)	Chrysanthemum	<ul style="list-style-type: none"> <li>Incidence of leaf spot</li> <li>Non opening of buds</li> <li>High fluctuating price</li> <li>Lack of knowledge on cultivation practices</li> </ul>	<ul style="list-style-type: none"> <li>Leaf spot management</li> <li>Integrated Nutrient Management</li> <li>Introduction of Aster crop</li> <li>Knowledge dissemination</li> </ul>	New	-
		<b>C) Hulkoti cluster</b> (comprising of Hulkoti & Hosalli)	Mango	<ul style="list-style-type: none"> <li>Incidence of mango hopper &amp; fruit fly</li> <li>Incidence of powdery mildew</li> <li>Incidence of red spider mite</li> </ul>	<ul style="list-style-type: none"> <li>Management of mango hopper &amp; fruit fly</li> <li>Management of powdery mildew</li> <li>Management of red spider mite</li> </ul>	Existing	2010-11
		<b>D) Soratur cluster</b> (comprising of Soratur, Shirunja & Yalishirunja)	All crops	<ul style="list-style-type: none"> <li>Lack of knowledge &amp; non-availability of inputs at right time</li> </ul>	<ul style="list-style-type: none"> <li>Knowledge dissemination and supply of inputs through Farm Resource Centre (FRC) established by KVK</li> </ul>	New	-
		<b>E) Mulgund cluster</b> (comprising of Mulagund, Harthi, Kanavi)	All crops	<ul style="list-style-type: none"> <li>Lack of knowledge &amp; non-availability of inputs at right time</li> </ul>	<ul style="list-style-type: none"> <li>Knowledge dissemination and supply of inputs through Farm Resource Centre (FRC) established by KVK</li> <li>Development of master trainer in lead crops and enterprises</li> </ul>	New	-

Sl. No.	Taluk	Blocks/groups of villages	Major crops & enterprises being practiced	Major problems identified	Identified thrust areas	Existing / New Please State without fail	If existing from which year Please state
2	Shirahatti	<b>Bannikoppa cluster</b> (comprising of Bannikoppa, Suganhalli, Hadagali & Muradi villages)	Onion	<ul style="list-style-type: none"> <li>• Incidence of purple blotch</li> <li>• Low productivity of local variety</li> <li>• Incidence of weeds</li> <li>• Bulb rotting</li> <li>• Non-availability of quality seeds</li> </ul>	<ul style="list-style-type: none"> <li>• Varietal Introduction and purple blotch management</li> <li>• Varietal Introduction</li> <li>• Chemical weed management</li> <li>• INM</li> <li>• Seed production</li> </ul>	Existing	2010-11
			Bt. Cotton	<ul style="list-style-type: none"> <li>• Dropping of squares of tender bolls and leaf reddening</li> <li>• Incidence of sucking pest</li> <li>• Lack of knowledge on Bt. Cotton cultivation</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated Nutrient Management</li> <li>• Integrated Pest Management</li> <li>• Knowledge dissemination</li> </ul>	Existing	2010-11
			Greengram	<ul style="list-style-type: none"> <li>• Pod shattering</li> <li>• Incidence of pod borer</li> <li>• Incidence of powdery mildew</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction of S-4 variety</li> <li>• Management of pod borer</li> <li>• Management of powdery mildew</li> </ul>	Existing	2010-11
			Little millet	<ul style="list-style-type: none"> <li>• Low productivity due to cultivation of local variety</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction of improved variety</li> </ul>	Existing	2010-11
			Foxtail millet	<ul style="list-style-type: none"> <li>• Low productivity due to cultivation of local variety</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction of improved variety</li> </ul>	Existing	2010-11
			Value addition	<ul style="list-style-type: none"> <li>• Lack of awareness on importance of millets in diet</li> <li>• No value addition</li> </ul>	<ul style="list-style-type: none"> <li>• Awareness on importance of millets in diet</li> <li>• Value addition in millets</li> </ul>	Existing	2010-11
			Rabi Jowar	<ul style="list-style-type: none"> <li>• Moisture stress</li> </ul>	<ul style="list-style-type: none"> <li>• Seed priming and introduction of short duration variety</li> </ul>	Existing	2010-11
			Drudgery	<ul style="list-style-type: none"> <li>• Drudgery in cooking</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction of envirofit chulha</li> </ul>	Existing	2010-11

Sl. No.	Taluk	Blocks/groups of villages	Major crops & enterprises being practiced	Major problems identified	Identified thrust areas	Existing / New Please State without fail	If existing from which year Please state
			<b>Livestock Enterprises</b>  Buffalo  Sheep  Employment	<ul style="list-style-type: none"> <li>Feeding of dry fodder</li> <li>Worm infestation</li> <li>Endoparasite</li> <li>Incidence of Enterotoximea disease</li> <li>Lack of employment opportunities</li> </ul>	<ul style="list-style-type: none"> <li>Enrichment of dry fodder</li> <li>Deworming</li> <li>Endoparasite management</li> <li>E.T. management</li> <li>Dairy farming, poultry farming</li> </ul>	Existing	2010-11
3	Mundaragi	<b>JantliShirur cluster</b> (Comprising of Jantlishirur, Shingatarayanakeri, Petalur & Ramenhalli)	Greengram	<ul style="list-style-type: none"> <li>Moisture stress</li> <li>Poor seed replacement ratio</li> <li>High incidence of pod borer</li> </ul>	<ul style="list-style-type: none"> <li>Moisture conservation practices</li> <li>Seed production and supply of quality seeds</li> <li>Management of pod borer</li> </ul>	Existing	2010-11
			Maize	<ul style="list-style-type: none"> <li>Soil salinity</li> <li>Lack of knowledge on improved technologies</li> </ul>	<ul style="list-style-type: none"> <li>Reclamation of saline soils</li> <li>Dissemination of knowledge</li> </ul>	Existing	2010-11
			Bt. Cotton	<ul style="list-style-type: none"> <li>Dropping of squares of tender bolls and leaf reddening</li> <li>Incidence of sucking pest</li> <li>Lack of knowledge on Bt. Cotton cultivation</li> </ul>	<ul style="list-style-type: none"> <li>Integrated Nutrient Management</li> <li>Integrated Pest Management</li> <li>Knowledge dissemination</li> </ul>	Existing	2010-11
			Onion	<ul style="list-style-type: none"> <li>High incidence of purple blotch</li> <li>Non availability quality seeds</li> <li>Incidence of weeds</li> </ul>	<ul style="list-style-type: none"> <li>Introduction of Arka Kalyan variety &amp; purple blotch management</li> <li>Seed production</li> <li>Chemical weed management</li> </ul>	Existing	2010-11
			Groundnut	<ul style="list-style-type: none"> <li>Low productivity</li> </ul>	<ul style="list-style-type: none"> <li>Introduction</li> </ul>	Existing	2010-11

Sl. No.	Taluk	Blocks/groups of villages	Major crops & enterprises being practiced	Major problems identified	Identified thrust areas	Existing / New Please State without fail	If existing from which year Please state
				<ul style="list-style-type: none"> <li>due to local variety</li> <li>Poor shelling percentage</li> <li>Incidence of leaf minor</li> <li>Incidence of leaf spot</li> <li>Non-availability of labour for groundnut shelling</li> </ul>	<ul style="list-style-type: none"> <li>of new varieties</li> <li>INM</li> <li>Leaf minor management</li> <li>Leaf spot management</li> <li>Introduction of groundnut decorticator</li> </ul>		
			Rabi Jowar	<ul style="list-style-type: none"> <li>Moisture stress</li> </ul>	<ul style="list-style-type: none"> <li>Seed priming &amp; introduction of early duration variety</li> </ul>	Existing	2010-11
			Health Hygiene	<ul style="list-style-type: none"> <li>Lack of awareness on balanced diet, Health and Hygiene</li> </ul>	<ul style="list-style-type: none"> <li>Awareness on balanced diet, nutrition and nutrition garden</li> </ul>	Existing	2010-11
			<b>Livestock Enterprises</b> Buffaloe	<ul style="list-style-type: none"> <li>Foot and mouth disease</li> <li>Imbalanced nutrition</li> <li>Worm infestation in milking animals</li> </ul>	<ul style="list-style-type: none"> <li>Foot and mouth disease management</li> <li>Balanced nutrition</li> <li>Deworming</li> </ul>	Existing	2010-11
			Sheep	<ul style="list-style-type: none"> <li>Incidence of Interotoximea</li> </ul>	<ul style="list-style-type: none"> <li>Management of E.T.</li> </ul>	Existing	2010-11
4	Naragund	<b>Banahatti cluster</b> (Comprising of Banhatti, Mooganur, Kurlageri)	Maize	<ul style="list-style-type: none"> <li>Incidence of stem borer</li> <li>Incidence of Army worm</li> <li>Incidence of leaf blight</li> </ul>	<ul style="list-style-type: none"> <li>Management of stem borer</li> <li>Management of Army worm</li> <li>Management of leaf blight</li> </ul>	Existing	2010-11
			Bt. Cotton	<ul style="list-style-type: none"> <li>Incidence of Angular leafspot</li> <li>Incidence of black arm</li> <li>Dropping of squares of tendar bolls and leaf reddening</li> <li>Incidence of sucking pest</li> <li>Lack of knowledge on Bt. Cotton cultivation</li> </ul>	<ul style="list-style-type: none"> <li>Disease management</li> <li>Disease management</li> <li>Integrated Nutrient Management</li> <li>Integrated Pest Management</li> <li>Knowledge dissemination</li> </ul>	Existing	2010-11

Sl. No.	Taluk	Blocks/groups of villages	Major crops & enterprises being practiced	Major problems identified	Identified thrust areas	Existing / New Please State without fail	If existing from which year Please state
			Bengalgram	<ul style="list-style-type: none"> <li>• Incidence of wilt</li> <li>• Incidence of pod borer</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction of new variety</li> <li>• IPM</li> </ul>	Existing	2010-11
			Drudgery	<ul style="list-style-type: none"> <li>• Drudgery in weeding &amp; inter cultivation</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction of twin wheel hoe weedier</li> </ul>	Existing	2010-11
				<ul style="list-style-type: none"> <li>• Drudgery in harvesting of bengalgram</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction of hand gloves</li> </ul>	New	-
			Wheat	<ul style="list-style-type: none"> <li>• Low productivity due to local variety</li> <li>• High incidence of weed</li> <li>• Drudgery in harvesting of wheat</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction of new variety</li> <li>• Chemical weed management</li> <li>• Introduction of improved sickle</li> </ul>	Existing	2010-11
			Sunflower	<ul style="list-style-type: none"> <li>• Poor seed setting</li> <li>• Incidence of powdery mildew</li> <li>• Incidence of leaf eating caterpillar</li> </ul>	<ul style="list-style-type: none"> <li>• INM</li> <li>• Management of powdery mildew</li> <li>• Management of leaf eating caterpillar</li> </ul>	Existing	2010-11
			<b>Livestock enterprises</b> Buffaloe	<ul style="list-style-type: none"> <li>• Low production of milk</li> </ul>	<ul style="list-style-type: none"> <li>• Deworming</li> </ul>	Existing	2010-11
			Drudgery	<ul style="list-style-type: none"> <li>• Incidence of stored grain pest</li> <li>• Drudgery in cooking</li> </ul>	<ul style="list-style-type: none"> <li>• Pest management</li> <li>• Introduction of envirofit chulla</li> </ul>	Existing	2010-11
			Health	<ul style="list-style-type: none"> <li>• Lack of awareness on health hygienic &amp; nutrition</li> </ul>	<ul style="list-style-type: none"> <li>• Awareness on health hygienic &amp;</li> </ul>	Existing	2010-11
5	Ron	A) <b>Jakkali Cluster</b> (Comprising of Jakkali, Maranabasari and Bhudihal Village)	Green gram	<ul style="list-style-type: none"> <li>• Non-availability of quality seeds</li> <li>• Incidence of Pod borer and leaf defoliator</li> <li>• Incidence of powdery mildew</li> </ul>	<ul style="list-style-type: none"> <li>• Seed production</li> <li>• Pod borer &amp; caterpillar Management</li> <li>• Powdery mildew Management</li> </ul>	New	-
			Spreading groundnut	<ul style="list-style-type: none"> <li>• Imbalanced nutrition</li> <li>• Incidence of root grub</li> <li>• Incidence of</li> </ul>	<ul style="list-style-type: none"> <li>• INM</li> <li>• Root grub management</li> <li>• Collar rot</li> </ul>	New	-

Sl. No.	Taluk	Blocks/groups of villages	Major crops & enterprises being practiced	Major problems identified	Identified thrust areas	Existing / New Please State without fail	If existing from which year Please state
				collar rot • Incidence of leaf minor	management • Leaf minor management		
			Onion	• Non-availability of quality seeds • Incidence of purple blotch • Imbalanced nutrition • Weed problem	• Seed production • Purple blotch management • INM • Weed management	New	-
			Chilli	• Non-availability of quality and pure seeds • Incidence of murda complex • Incidence of powdery mildew	• Seed production • Murda complex management • Powdery mildew management	New	-
			Desi Cotton	• Non-availability of quality seeds	• Seed production	New	-
			Bengal gram	• Incidence of wilt and rust • Incidence of Pod borer	• Wilt and rust management • Pod borer management	New	-
			Rabi Jowar	• Low productivity of Maladandi variety • Moisture stress	• Variety replacement • Seed priming	New	-
			<b>Livestock Enterprises</b> Mitch animals	• Imbalanced nutrition • Incidence of ticks	• Nutrition management • Management of ticks	New	-
			Sheep	• Incidence of worms	• Deworming	New	-
			All Crops	Lack of knowledge on improved practices and non-availability of extension worker	• Development of master trainers	New	-
		B) Hirehal cluster comprising of 23 villages, (650 farmers registered for Grameena suvidha Kendra)	Lead crops & enterprises	Lack of knowledge on improved practices and non-availability of quality seeds	• Kharif campaign • Rabi Campaign • Supply of improved seeds • Supply of literature	New	-

## 2. Details of thrust areas under which interventions are planned for 2011-12

### A. Crops

Thrust areas	Crops to be covered	Interventions planned
1. Moisture conservation practices	Greengram	Refinement of resource conservation technology, Kharif campaigns on Compartment bunding, Training, Supply of literature, TV coverage and Video shows
	Groundnut	Refinement of resource conservation technology, FLD on pair row method of sowing, Kharif campaign, compartment bunding, training, Supply of literature, TV coverage and Video shows
	Rabi Jowar	Refinement of resource conservation technology, Training and Supply of literature
2. Soil reclamation	Maize	Soil testing, Soil amendments with Gypsum, Training and Supply of Literature
3. Integrated Nutrient Management	(i) Groundnut	Application of boron, soil testing, FLD on INM, Training, supply of micronutrient and biofertiliser, supply of literature and field day
	(ii) Sunflower	Soil testing, FLD on INM, Training, Field day, Mobile message and Literature
	(iii) Chrysanthemum	Assessment of application of growth regulators (GA) for early bud opening, FLD on INM, Trainings, Seminars, Literature and TV coverage
4. Integrated Crop Management	(i) Bt. Cotton	Soil testing, FLD on production technology, Training, Literature, Field day, Mobile message and TV coverage
	(ii) Greengram	Soil testing, FLD on selection-4 variety along with ICM, Training, Field day, Supply of literature, Mobile message and Supply of seeds
	(iii) Bengalgram	Soil testing, FLD on JG-11 variety along with ICM, Training, Field day, Supply of literature, Mobile message, TV coverage and Supply of seeds
	(iv) Groundnut	Soil testing, FLD on GPBD-4, TAG-24 variety along with ICM, Training, Field day, Supply of literature, Mobile message, Supply of seeds and TV coverage
	(v) Desi cotton	Soil testing, FLD on DDHC-11 variety along with ICM, Training, Field day, Supply of literature, Mobile message, Supply of seeds and TV coverage
	(vi) Brinjal	FLD on IPM, Training, Supply of literature, Mobile message and TV coverage
5. Weed Management	(i) Onion	FLD on weed management, Method Demonstration, Training, Supply of literature and Mobile message
	(ii) Groundnut	FLD on weed management, method demonstration, Training, Supply of literature and Mobile message
6. Assessment of variety	(i) Groundnut	Assessment of kadiri-6 and ICGV-91114 for drought tolerance, Training, Field day and Farmers meeting
	(ii) Onion	Assessment of resistant synth-6 variety for bulb rotting, Training, Supply of literature, TV & Radio coverage
7. Introduction of varieties	(i) Little millet	FLD on GPU-28, Training, Field day and Supply of literature
	(ii) Foxtail millet	FLD on HMT-1, Training, Field day and Supply of literature
	(iii) Rabi Jowar	FLD on CSV-22 & Anuradha, Training, Field day and Supply of literature
	(iv) Wheat	FLD on UAS-304, Training, Field day and Supply of literature
8. Disease management	(i) Chilli	Assessment of Arka Meghana for powdery mildew resistant and Training
	(ii) Onion	FLD on Arka Kalyan for purple blotch management, FLD on foliar spray for the management of purple blotch and Training
	(iii) Chilli	Mango thrips and mite Assessment of difenconazole for Anthracnose management



Thrust areas	Crops to be covered	Interventions planned
9. Introduction of alternate crops	(i) Aster	FLD on Aster crop introduction, Supply of literature and Field day
	Fruit crops	Training on Dry Land Horticulture, Exposure visits, Supply of literature and Farm advisory service
10. Seed Production	Greengram, Groundnut, Onion, Desi Cotton, Bengalgram, Rabi Jowar & Vegetables	KVK-Farmers' partnership mode on seed production
11. Dissemination of knowledge	All crops	Farm Resource Centres, Kharif & Rabi Campaign, Developing Master Trainers. Monthly news letter, Extension bulletin, Mobile message, Field school, Technology Week and Exhibitions.

## B. Livestock, poultry, fisheries

Thrust areas	Livestock/ poultry / fisheries to be covered	Interventions planned
Animal Nutrition	Buffaloe	FLD on Enrichment of Dry Fodder, supply of literature and Animal Health Camp
	Cross Bred cows	FLD on fodder crop cultivation, training, supply of literature, field day and TV & radio coverage
Ecto-Endo parasite management	Buffaloe and Sheep	FLD on Ecto-Endo parasite management, training, Health camp, Literature and Mobile message services
Tick management	Cross bred cows	On Farm Testing, Training and Awareness Camps
Self Employment	Dairy units, Sheep & goat rearing units	Vocational training and Bank linkages through SGSY

## C. Others

Thrust areas	Interventions planned
Management of stored grain pest	Assessment of management of stored grain pest and Training on stored grain pest
Drudgery reduction (Farm)	FLD on Groundnut decorticator, improved sickle and twin wheel hoe weeder
Drudgery reduction (Cooking)	FLD on Envirofit chulla
Health & hygiene	Training
Nutrition	Training on Terrace gardening
Value addition	Training

### 3.1. Abstract of Interventions Proposed Based On the Identified Problems during 2011-12

Crop/ Enterprise	Thrust area	Identified Problem	Planned Interventions					Details of technological products produced and supplied (specify name of product, variety, breed etc.)
			Title of technology to be assessed under OFT	Title of technology to be refined under OFT	Title of FLD	Title of the Training	Type of Extension activities	
Greengram	Sustainable production	Abiotic stress	-	Refinement of in-situ moisture conservation technology	-	Sustainable production of greengram	Field day, Demonstrations & campaigns	-

Crop/ Enterprise	Thrust area	Identified Problem	Planned Interventions					Details of technological products produced and supplied (specify name of product, variety, breed etc.)
			Title of technology to be assessed under OFT	Title of technolog y to be refined under OFT	Title of FLD	Title of the Training	Type of Extension activities	
	ICM	Low productivity due to pod shattering, powdery mildew and pod borer	-	-	ICM in S-4 variety	ICM	FRC activity, field day, literature & mobile messages	S-4 variety of greengram
	Seed production	Non-availability of quality seeds	-	-	-	Seed production	Literature & FRC activities	S-4 variety of greengram
		Labour problem for weeding	-	-	Introduction of TWH weeder	Drudgery reducing equipments	Literature & method demonstrations	Supply of TWH weeder
	Management of stored grain pest	Incidence of pulse beetle	Assessment of management of incidence of grain storage pests in pulses at house hold level	-	-	1. Management of stored grain pest 2. Preparation of neem baits	Literature & method demonstrations	Neem baits, plastic bottles & cotton cloth bags
Bunch groundnut	Assessment of variety	Abiotic stress	Assessment of Kadiri-6 & ICGV-91114 for drought tolerance	-	-	ICM	Exhibition, Field day, literature & campaigns	K-6 & ICGV-91114 variety
	Introduction of GPBD-4 with ICM	Low productivity due to cultivating local variety, imbalanced nutrition, leaf minor & root grub incidence	-	-	ICM	ICM	Field days, literature, seed production, mobile messages & campaigns	GPBD-4 & TAG-24 variety
	Collar rot management	Collar rot	Assessment of seed treatment with vitawax & trichoderma for collar rot management	-	-	Collar rot management	Mobile message & Literature	-
	Drudgery	Drudgery in hand shelling of Groundnuts	-	-		Drudgery reducing equipments-Groundnut Decorticator	Exhibition	Groundnut decorticator

Crop/ Enterprise	Thrust area	Identified Problem	Planned Interventions					Details of technological products produced and supplied (specify name of product, variety, breed etc.)
			Title of technology to be assessed under OFT	Title of technology to be refined under OFT	Title of FLD	Title of the Training	Type of Extension activities	
	Chemical weed managem ent	Weed problem	-	-	Chemical weed managem ent	Weed managem ent	Literature , field day & demonstr ations	-
Onion	ICM & introduc ion of Arka Kalyan	Low productivity due to purple blotch, sucking pest & weed	Assessme nt of Quizalfop ethyl for chemical weed managem ent in onion	-	ICM in Arka Kalyan	ICM	Demonstr ations, Field day, Literature, Mobile message& campaign	Arka Kalyan variety
	Seed production	Non - availability of seeds	-	-	-	Seed production	Literature	Arka Kalyan variety
Chilli	Disease managem ent	Anthraco nose	Assessme nt of difencono zole for managem ent of anthracno se	-	-	Anthraco nose	-	-
	Pure seed	Non - availability of quality seeds	-	-	-	Training on selection of pods for seed purpose	Literature	-
	Murda complex managem ent	Murda complex	Assessme nt of integrated approach for managem ent of murda complex	-	-	Murda complex managem ent	Field day, literature	-
Bt. Cotton	Knowledge disseminati on	Lack of knowledge on Bt. Cotton cultivation	-	-	ICM in Bt. Cotton	Training on production technology	Literature , FRC activities & Mobile message	-
Desi cotton	ICM	Moisture stress, low productivity & non- availability of quality seed	-	-	ICM in DDHC-11 variety	ICM	Demonst rations, Field day & literature campaign	Seed production of DDHC-11

Crop/ Enterprise	Thrust area	Identified Problem	Planned Interventions					Details of technological products produced and supplied (specify name of product, variety, breed etc.)	
			Title of technology to be assessed under OFT	Title of technolog y to be refined under OFT	Title of FLD	Title of the Training	Type of Extension activities		
	Drudgery	Drudgery in plucking and storage of plucked cotton	Assessment of cotton bag for plucking and storage of plucked cotton	-	-	-	Drudgery reducing equipments	Method demonstration	Cotton bags
Bengalgram	Management of wilt and pod borer	Incidence of wilt and pod borer	-	-	Introduction of JG-11 variety with ICM	ICM	Field day, literature, seed production & mobile message	JG-11 seeds	
	Drudgery	•Drudgery and increased cost in weeding and intercultivation	-	-	Demonstration of twin wheel hoe weeder	Drudgery reducing equipments	Literature	Twin wheel hoe weeder	
		•Drudgery in harvesting of bengalgram	-	-	Demonstration of hand gloves for harvesting of bengalgram	Drudgery reducing equipments	Exhibition of hand gloves during field day	Hand gloves	
Rabi Jowar	-	Moisture stress, low productivity of M 35-1 variety	Assessment of Anuradha variety in shallow soil for high productivity	-	Seed priming & introduction of CSV-22	ICM	Field day, seed production, mobile message & demonstration	CSV-22 seeds	
Maize	Soil reclamation	Soil sodicity	-	-	Soil reclamation	Soil fertility management	Literature & field day	-	
	INM	Imbalanced nutrition	-	-	INM	INM	Literature & mobile messages	-	
Wheat	Varietal introduction	Low productivity of Nirmal variety due to rust incidence	-	-	Introduction of UAS-304 for rust resistance	Disease management	Field day & mobile messages	-	
	Weed management	Weed problem	-	-	Chemical weed management	Weed management	Field day & mobile messages	-	
	Drudgery	Increased drudgery in harvesting wheat	-	-		Drudgery reducing equipments	Exhibition, Demonstration & literature	Improved sickle	

Crop/ Enterprise	Thrust area	Identified Problem	Planned Interventions					Details of technological products produced and supplied (specify name of product, variety, breed etc.)
			Title of technology to be assessed under OFT	Title of technology to be refined under OFT	Title of FLD	Title of the Training	Type of Extension activities	
Brinjal	Pest managem ent	Shoot & fruit borer and red spider mite	-	-	IPM in Brinjal	Pest managem ent	Field day & literature	-
Tomato	Disease managem ent	Leaf curl	-	-	Foliar spray of imida clopid	Disease managem ent	Field day & mobile messages	-
Chrysanthe mum	Growth regulator	Non opening of buds, imbalance nutrition & leaf spot disease	-	-	Application of GA for early bud opening & INM	INM	Field day, literature & method demonstr ations	-
			-	-	Leaf spot managem ent through foliar spray of propiconoz ole	Disease managem ent	Field day, literature & mobile message	-
Aster	Introduction of Aster crop	Fluctuating prices of Chrysanth emum			Introduction of Aster crop	Training	Field day, literature, mobile message	
Foxtail millet	Introduction of new variety	Low productivity of local variety (Hurupal)	-	-	Introduction of HMT-1 variety	ICM	Field day, seed production	HMT-1
	Value addition	Lack of awareness on importance of potential grains in diet	-	-		Importance of potential grains in diet and value addition	Exhibition & literature	-
Mulberry	Pest management	Sucking pest	-	-	Sucking pest managem ent through release of predators	Pest management	Literature	-
Mango	Pest management	Mango hopper & fruit fly	-	-	Menace of mango hopper & fruit fly	Pest management	Literature & mobile message	-
Wheat & Jowar	Fortificatio n of wheat products with soya	Lack of knowledge and utility of soys in daily diet as it is a high valued biological protein		-	Fortification of wheat chapatti and jowar roti with soya	Awareness on health nutrition with high valued biological protein	Exhibition	-

Crop/ Enterprise	Thrust area	Identified Problem	Planned Interventions					Details of technological products produced and supplied (specify name of product, variety, breed etc.)
			Title of technology to be assessed under OFT	Title of technology to be refined under OFT	Title of FLD	Title of the Training	Type of Extension activities	
Envirofit chullha	Fuel saving and drudgery reducing equipments	To reduce drudgery in cooking	-	-	Demonstrat ion of envirofit chullha	Fuel saving devices	Exhibition & Literature	Envirofit chullha
Buffaloes	Animal nutrition	Feeding of low quality & quantity of dry fodder	-	-	Enrichment of dry fodder	Importance of animal nutrition	Animal health cams & literature	Salt & Jaggery
CB Cows	Animal nutrition	Delayed heat, low milk yield & less fat % in milk in post calving dairy cross bred cows	Assessme nt of suppleme ntation of bypass fat in post calving dairy cows	-	Promotion of Napier fodder variety	Importance of fodder crop	Field day & literature	<ul style="list-style-type: none"> <li>• Hybrid napier grass</li> <li>• Perennial Sorghum</li> <li>• Guinea grass</li> </ul>
Buffalo	Endoparas ite manageme nt	Low quantity of milk production	-	-	Oral administrati on of bolus fenbendazo le	Awareness of deworming to milking animals	Health camp, literature & mobile message	Bolus fenbendazole- 3gm
Sheep	Ecto-Endo parasites manageme nt	Low weight & low quality & quantity hair texture	-	-	Oral administrati on of closantal suspension	Control of Ecto-Endo parasites	Literature & mobile message	Closantal liquid @ 1 ml/10 kg body weight
Livestock	Animal Nutrition	Non- availability of green fodder	-	-	Demonstrat ion of Fodder Bank	Importance of green fodder in animal nutrition	Literature	Grass slips & seeds

### 3.2. Target set for number of interventions to be implemented during 2011-12

S. No	Particulars of intervention	Target number / Quantity
01	<b>On Farm Trial</b>	125 (8 crops/enterprises)
02	<b>Front Line Demonstration</b>	461 (27 crops/enterprises)
03	<b>Training Programmes</b>	
	Farmers and farm women	104
	Rural Youth	13
	Extension personnel	17
	Sponsored programmes	39
	Vocational Programmes	11
04	<b>Extension Programmes</b>	
	Field Day	6
	Kisan Mela	1
	Kisan Ghosthi	3
	Exhibition	4
	Film Show	50
	Method Demonstrations	50
	Seminars	3

S. No	Particulars of intervention	Target number / Quantity
	Workshop	2
	Group meetings	30
	Lectures delivered	15
	Newspaper coverage	15
	Radio coverage	5
	TV coverage	10
	Radio Programmes	10
	TV Programmes	10
	Publications	5
	Popular articles	10
	Extension Literature	5
	Advisory Services	100
	Scientific visit to farmers' fields	250
	Farmers' visits to KVK	30 batches
	Diagnostic visits	10
	Field visits	100
	Exposure visits	5
	Ex-trainees meet	5
	Agriculture Camps	2
	Clinic day	-
	Soil health Camp	5
	Animal Health Camp	5
	Agri mobile clinic	-
	Soil test campaigns	10
	Farm Science Club Conveners meet	-
	Self Help Group Conveners meetings	20
	Mahila Mandals Conveners meetings	-
	Special Day celebrations	2
	Awareness campaigns	5
	Others (Pl. specify)	-
05	<b>Production and supply of seed materials</b>	
	1) Cereals	25 Qtl
	ii) Oilseeds	20 Qtl
	iii) Pulses	20 Qtl
	iv) Vegetables	1 Qtl
	v) Flower crops	2 Kg
	vi) Others (Specify)	-
	<b>Production and supply of Planting materials</b>	
	Fruits	2000
	Spices	-
	Vegetables	50000
	Forest species	5000
	Ornamental crops	-
	Plantation crops	-
	Others	-
	<b>Production and supply of bio-products</b>	
	Bio agents	-
	Bio fertilizers	10 Qtl
	Bio pesticides	1 Qtl
	<b>Production and supply of livestock material</b>	
	Sheep	10
	Poultry birds	-
	Goat	10
	Fisheries	-
	Others (Specify)	-
06	<b>Number of soil samples to be analyzed</b>	600
07	<b>Number of water samples to be analyzed</b>	200

#### 4. Plan of Technology Assessment and Refinement for 2011-12

##### Assessment : 1

- a) Title of technology assessed : Assessment of Kadari-6 and ICGV-91114 groundnut varieties for drought tolerance
- b) No. of Trials : 9
- c) Problem Definition : Erratic rainfall & long dry spells result in low productivity in existing varieties of groundnut
- d) Production system and thematic area : Medium & big farmers production system under rainfed situation and varietal assessment

##### e) Details of the technologies with budget for critical inputs

Technology Options	Details of the technology assessed	Area in ha.	Year of release of the Technology Option	Source of the technology	Major Parameter of assessment	Other Parameters	Critical Inputs for Technology			
							Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)
1) Farmer's practice	Usage of local variety (TMV-2)	0.4	1970	TNAU, Coimbatore	<ul style="list-style-type: none"> <li>No. of pods/plant</li> <li>Pod yield/ha</li> </ul>		NIL			
2) Recommended practice	GPBD-4 variety	0.4	2003	UAS, Dharwad	<ul style="list-style-type: none"> <li>No. of pods/plant</li> <li>Pod yield/ha</li> </ul>	-	GPBD-4 (Pods)	0.75 Qt	2625	2625
3) Assessment proposed	Kadari-6	0.4	2008	ARS, Kadiri under ANGRAU, Hyderabad	<ul style="list-style-type: none"> <li>No. of pods/plant</li> <li>Pod yield/ha</li> </ul>	-	Kadari-6 (pods)	0.75 Qt	3000	3000
	ICGV-91114	0.4	2008	ICRISAT, Hyderabad	<ul style="list-style-type: none"> <li>No. of pods/plant</li> <li>Pod yield/ha</li> </ul>		ICGV-91114	0.75 Qt	3000	3000
<b>Total</b>									<b>8625</b>	

f) Cost per trial : Rs.8625

g) Total cost for the assessment : Rs.39000



## Assessment : 2

- a) Title of technology assessed : Assessment of Vitawax for collar rot management in Bunch Groundnut
- b) No. of Trials : 30
- c) Problem Definition : Incidence of collar rot disease is affecting the groundnut productivity. The disease occurs immediately after germination of crop and it will continue throughout the crop season. The yield loss is about 25-40%
- d) Production system and thematic area : Medium and big farm production system under rainfed situation & Disease management

### e) Details of the technologies with budget for critical inputs

Technology Options	Details of the technology assessed	Area in ha.	Year of release of the Technology Option	Source of the technology	Major Parameter of assessment	Other Parameters	Critical Inputs for Technology			
							Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)
1) Farmer's practice	Seed treatment with Captan @ 2.5 gm	0.2	-	-	<ul style="list-style-type: none"> <li>% of disease index</li> <li>Yield</li> </ul>	<ul style="list-style-type: none"> <li>No. of plant die in sqmt area</li> </ul>	NIL			
2) Recommended practice	Seed treatment with Trichoderma @ 4 gm/Kg seed	0.4		UAS, Dharwad	<ul style="list-style-type: none"> <li>% of disease index</li> <li>Yield</li> </ul>	<ul style="list-style-type: none"> <li>No. of plant dia in sqmt area</li> </ul>	Trichoderma	200 gm	40	250
3) Assessment proposed	Seed treatment with Vitawax @ 3 gms	0.4		DOR, Hyderabad	<ul style="list-style-type: none"> <li>% of disease index</li> <li>Yield</li> </ul>	<ul style="list-style-type: none"> <li>No. of plant die in sqmt area</li> </ul>	Vitawax	150 gm	210	
<b>Total</b>										<b>250</b>

f) Cost per trial : Rs.250

g) Total cost for the assessment : Rs. 7500

**Assessment : 3**

- a) Title of technology assessed : Assessment of Anuradha variety for increasing productivity of rabi sorghum in shallow soils
- b) No. of Trials : 25
- c) Problem Definition : Yields are very low in shallow soils
- d) Production system and thematic area : Rainfed production system & Varietal assessment

e) Details of the technologies with budget for critical inputs

Technology Options	Details of the technology assessed	Area in ha.	Year of release of the Technology Option	Source of the technology	Major Parameter of assessment	Other Parameters	Critical Inputs for Technology			
							Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)
1) Farmer's practice	Un purified M 35-1 variety seeds	0.4			<ul style="list-style-type: none"> <li>Grain yield/ha</li> <li>Fodder yield/ha</li> </ul>	<ul style="list-style-type: none"> <li>Height of the plant</li> <li>Duration</li> <li>Organoleptic evaluation of roti</li> </ul>	NIL			
2) Recommended practice	M 35-1 (Pure seeds)	0.4		UAS, Dharwad	<ul style="list-style-type: none"> <li>Grain yield/ha</li> <li>Fodder yield/ha</li> </ul>	<ul style="list-style-type: none"> <li>Height of the plant</li> <li>Duration</li> <li>Organoleptic evaluation of roti</li> </ul>	M 35-1 variety seeds	3 Kg	75	75
3) Assessment proposed	Anuradha	0.4	2009	MPKV-Rahuri, Maharashtra	<ul style="list-style-type: none"> <li>Grain yield/ha</li> <li>Fodder yield/ha</li> </ul>	<ul style="list-style-type: none"> <li>Height of the plant</li> <li>Duration</li> <li>Organoleptic evaluation of roti</li> </ul>	Anuradha variety seeds	3 Kg	120	120
<b>Total</b>										<b>195</b>

f) Cost per trial : Rs.195

g) Total cost for the assessment : Rs. 4875

#### Assessment : 4

- a) Title of technology assessed : Assessment of management of grain storage pest incidence in pulses at household level
- b) No. of Trials : 15
- c) Problem Definition : In the identified cluster of villages, more than 90% of farmwomen face the problem of incidence of pulse beetle in stored grains. The recommended practice of using Aluminium phosphide is not practical for storage of pulses in smaller quantities at household level. Moreover the usage of chemical pesticides may pose health hazards to human beings
- d) Production system and thematic area : Greengram production system and Grain storage.

#### e) Details of the technologies with budget for critical inputs

Technology Options	Details of the technology assessed	Area in ha.	Year of release of the Technology Option	Source of the technology	Major Parameter of assessment	Other Parameters	Critical Inputs for Technology				
							Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)	
1) Farmer's practice	1) No treatment	-	-				NIL				
2) Recommended practice	Aluminium Phosphide @ 2-3 tablets/ton (Not relevant at household level)										
3) Assessment proposed	1) Preparation of neem baits from a mixture of neem leaves (50 gms), ginger powder (30 gms) & sweet flag ( 5-10 gms)/Kg of pulses 2) Chilli flakes @ 15-20 gms/Kg of pulses 3) Boric powder@5-10 gms/Kg of pulses 4) Oil smearing @ 5%		2002	CIKS, Chennai (Centre for Indian Knowledge Systems) and UAS, Dharwad	• No. of insects/ 100 gms	• Cost incurred for storage	Ginger powder	4 Kg	450	1800	
							Sweet flag	3 Kg	250	750	
							about charges for neem bait preparation	15	1500	1500	
							Chilli flakes	3 Kg	150	450	
							Boric powder	1.5 Kg	600	1500	
							Edible Oil	6 Kg	80	480	
Cotton bags	90	30	2700								
<b>Total</b>									<b>9180</b>		

f) Cost per trial: Rs.612

g) Total cost for the assessment: Rs.9180

**Assessment : 5**

- a) Title of technology assessed : Assessment of Cotton bags for storage of plucked cotton
- b) No. of Trials : 5
- c) Problem Definition : Farmwomen keep the plucked cotton in old clothes which is tied to their waist. This causes increased load and drudgery to farmwomen.
- d) Production system and thematic area : Small and big production system & Drudgery Reduction

e) Details of the technologies with budget for critical inputs

Technology Options	Details of the technology assessed	Area in ha.	Year of release of the Technology Option	Source of the technology	Major Parameter of assessment	Other Parameters	Critical Inputs for Technology			
							Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)
1) Farmer's practice	Old clothes	0.5	-				NIL			
2) Assessment proposed	Cotton bags	0.5		-	<ul style="list-style-type: none"> <li>Total quantity of plucked cotton stored in cotton cot bag</li> <li>Drudgery as felt by farmwomen</li> </ul>	<ul style="list-style-type: none"> <li>Suitability</li> <li>Acceptance</li> </ul>	Cotton bags			
							Model1	5	200	1000
							Model2	5	200	1000
							Model3	5	200	1000
									<b>Total</b>	<b>3000</b>

f) Cost per trial : Rs.600

g) Total cost for the assessment : Rs. 3000

## Assessment : 6

- a) Title of technology assessed : Assessment of Spray of Difenconazole for management of Anthracnose in chilli
- b) No. of Trials : 12
- c) Problem Definition : The disease appears on ripened fruit stalk and spread along with the stem and in severe cases cause die back symptom on the chilli plant. The fruit with many spot drop-off prematurely, resulting in the crop loss up to 30-45%
- d) Production system and thematic area : Medium and big farm production system under rainfed situation & Disease management

### e) Details of the technologies with budget for critical inputs

Technology Options	Details of the technology assessed	Area in ha.	Year of release of the Technology Option	Source of the technology	Major Parameter of assessment	Other Parameters	Critical Inputs for Technology			
							Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)
1) Farmer's practice	Spraying Dithane M-45 @ 2 gm/lit	0.2	-	-	<ul style="list-style-type: none"> <li>% of disease index</li> <li>Yield</li> </ul>	<ul style="list-style-type: none"> <li>Quantity of disease affected chilli pods</li> </ul>	NIL			
2) Recommended practice	Spraying COC(Copper Oxy Chloride @ 3 gms/lit or Mancozeb @ 2 gm /lit (two times spray)	0.2		UAS, Dharwad	<ul style="list-style-type: none"> <li>% of disease index</li> <li>Yield</li> </ul>	<ul style="list-style-type: none"> <li>Quantity of disease affected chilli pods</li> </ul>	Copper Oxy Chloride (COC)	500 gm	243	938
3) Assessment proposed	Spraying of Difenconazole @ 1 ml/lit with Trichoderma Viridae @ 3 gm/lit (two times spray)	0.2		UAS, Dharwad & TNAU, Coimbatore	<ul style="list-style-type: none"> <li>% of disease index</li> <li>Yield</li> </ul>	<ul style="list-style-type: none"> <li>Quantity of disease affected chilli pods</li> </ul>	Difenc onazole & Tricho derma	250 ml 500 gm	620 75	
<b>Total</b>									<b>938</b>	

f) Cost per trial in Rs. : Rs.938

g) Total cost for the assessment in Rs.: 11256

### Assessment : 7

- a) Title of technology assessed : Assessment of Quizalfop ethyl for chemical weed management in onion
- b) No. of Trials : 9
- c) Problem Definition : The major constraints in onion cultivation is increased weed competition, that is leading to drastic reduction in yield & quality.
- d) Production system and thematic area : Rainfed & weed management

#### e) Details of the technologies with budget for critical inputs

Technology Options	Details of the technology assessed	Area in ha.	Year of release of the Technology Option	Source of the technology	Major Parameter of assessment	Other Parameters	Critical Inputs for Technology			
							Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)
1) Farmer's practice	Manual weeding	-					NIL			
2) Recommended practice	Spray of Pendimethaline @ 4 ml/lit as a pre emergent weedicide	1.2	1998	UAS, Dharwad		-	Pendimethaline	1 ltr	500	500
3) Assessment proposed	Spray of Pendimethaline @ 4 ml/lit as a pre emergent & Quizalfop ethyl @ 1 ml/lit as a post emergent	1.2	2004	Agriculture University, Bihar	<ul style="list-style-type: none"> <li>• % of weed control</li> <li>• B.C Ratio</li> <li>• Bulb yield</li> </ul>	-	Pendimethaline	1 ltr	500	500
							Quizalfop ethyl	1 ltr	1400	1400
<b>Total</b>									<b>2400</b>	

f) Cost per trial : Rs.2400

g) Total cost for the assessment : Rs. 21600

### Assessment : 8

- a) Title of technology assessed : Assessment of supplementation of bypass fat in post calving dairy cows
- b) No. of Trials : 10
- c) Problem Definition : Delayed heat, low milk yield & less fat % in milk in post calving dairy cross bred cows.
- d) Production system and thematic area : Nutritional management in milking cross bred cows

#### e) Details of the technologies with budget for critical inputs

Technology Options	Details of the technology assessed	Area in ha.	Year of release of the Technology Option	Source of the technology	Major Parameter of assessment	Other Parameters	Critical Inputs for Technology			
							Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)
1) Farmer's practice	Feeding dry fodder, green fodder, groundnut cake & boosa	-	-				NIL			
2) Recommended practice	Feeding dry fodder, green fodder, concentrated feed @ 1 Kg/2.5 lit of milk production & Mineral mixture 50 gm/day	25		KVAFSU, Bidar	<ul style="list-style-type: none"> <li>• Period for induced (No. of open days)</li> <li>• Milk production/day</li> <li>• Fat %</li> </ul>		Mineral mixture	3 Kg	140	420
3) Assessment proposed	Feeding dry fodder, green fodder, concentrated feed @ 1 Kg/2.5 lit of milk production & Mineral mixture 50 gm/day & by pass fat 150 gm/day/cow for three months period	25		NIANP, Bangalore	<ul style="list-style-type: none"> <li>• Heat period (No. of open days)</li> <li>• Milk production/day</li> <li>• Fat %</li> </ul>		Mineral mixture	3 Kg	140	420
							By pass fat	9 Kg	60	540
<b>Total</b>									<b>1380</b>	

f) Cost per trial : Rs.1380

g) Total cost for the assessment : Rs.13800

## 5. Frontline Demonstrations

Category	Problem identified	Thematic area	Current status of yield q/ha / number / litres/unit / kg/unit			Technology to be demonstrated	Source	Year of release	Local check	Area in ha / No. of units / animals /birds	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
			District average	Potential	Farmers							Name & Quantity (kg/ha) or number/unit	Cost (Rs./ha) or Rs./unit	
<b>Oilseeds</b>														
Groundnut (Summer-Bunch type) (Ron block)	<ul style="list-style-type: none"> <li>Low productivity due to use of local variety</li> </ul>	<ul style="list-style-type: none"> <li>ICM in TAG-24</li> </ul>	12	22-25	15-16	<ul style="list-style-type: none"> <li>Demonstration of TAG-24 variety</li> <li>Seed treatment with Bio-fertiliser</li> <li>Seed treatment with Trichoderma</li> </ul>	UAS Dharwad	1991-92	<ul style="list-style-type: none"> <li>*Local variety (TMV-2)</li> <li>Nil</li> <li>Nil</li> </ul>	2	5	<ul style="list-style-type: none"> <li>TAG-24 (pods)- 250 Kg</li> <li>Rhizobium @ 2.5 Kg/ha</li> <li>PSB @2.5 Kg/ha</li> <li>Trichoderma @ 1 Kg/ha</li> </ul>	8750 100 100 150 <b>9100</b>	18200
Groundnut (Bunch type)	Incidence of root grub (Ron & Shirahatti block)	Management of root grub				<ul style="list-style-type: none"> <li>Seed treatment with Chlorpyrifos (6.25 ml/Kg seed)</li> </ul>	DOR, Hyderabad		-	6	15	<ul style="list-style-type: none"> <li>Chloropyrifos – 1 lit/ha</li> </ul>	210	1260
	High incidence of weed problem (Gadag block)	Chemical weed management				<ul style="list-style-type: none"> <li>Pre-emergence application of Pendimethalin @ 1 Kg/ha</li> </ul>	UAS, Dharwad		By interculture & hand weeding	2	5	<ul style="list-style-type: none"> <li>Pendimethalin @ 1 Kg/ha</li> </ul>	630	1260
<b>Pulses</b>														
<b>Greengram</b>	<ul style="list-style-type: none"> <li>Moisture stress</li> <li>Pod shattering</li> </ul>	ICM in Greengram	3.18	8-10	5-6	<ul style="list-style-type: none"> <li>Moisture conservation practices</li> <li>Demonstration of Selection-4 variety</li> </ul>	UAS, Dharwad	2002-03	<ul style="list-style-type: none"> <li>Nil</li> <li>Usage of local seeds (China</li> </ul>	10	25	<ul style="list-style-type: none"> <li>Seeds Selection-4 @ 12.5 Kg/ha</li> <li>Biofertiliser Rhizobium @</li> </ul>	1055	10550



Category	Problem identified	Thematic area	Current status of yield q/ha / number / litres/unit / kg/unit			Technology to be demonstrated	Source	Year of release	Local check	Area in ha / No. of units / animals /birds	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
			District average	Potential	Farmers							Name & Quantity (kg/ha) or number/unit	Cost (Rs./ha) or Rs./unit	
						• Usage of biofertiliser			moong) Nil			500 gm/ha PSB @ 500 gm/ha  •Trichoderma @ 100 gm/ha		
Bengalgram	•Incidence of wilt	ICM	10	20-25	16-18	• Demonstration of JG-11 variety • Seed treatment with trichoderma • Usage of biofertiliser	UAS, Dharwad	2007	Usage of local seeds (Annigeri-1) Nil Nil	8	20	•Seeds (JG-11) @ 62.5 Kg/ha •Trichoderma @ 375 gm/ha •Carboxin @ 60 gm/ha •Rhizobium @ 1 Kg/ha •PSB@1 Kg/ha	2680	21440
<b>Cereals &amp; millets</b>														
Foxtail millet	Low productivity due to cultivation of local variety	Introduction of HMT-1 variety & value addition		18-20	10-20	Demonstration of HMT-1 variety	UAS, Dharwad	2004-05	Usage of local seeds	10	25	Seeds (HMT-1) @ 10 Kg/ha	400	4000
Rabi jowar	Lack of high yielding variety for deep black soils	Introduction of CSV-22 variety	5.75	14-15	8-10	Demonstration of CSV-22 variety	UAS, Dharwad	2009	Usage of local seeds	10	25	Seeds (CSV-22) @8 Kg/ha	240	2400

Category	Problem identified	Thematic area	Current status of yield q/ha / number / litres/unit / kg/unit			Technology to be demonstrated	Source	Year of release	Local check	Area in ha / No. of units / animals /birds	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
			District average	Potential	Farmers							Name & Quantity (kg/ha) or number/unit	Cost (Rs./ha) or Rs./unit	
Wheat	* Low yield due to incidence of wilt disease * High incidence of weed problem (Wheat, Irrigated)	ICM in UAS-304	10.50	30-35	24-25	*Demonstration of UAS-304 variety *Post emergence application of 2,4-D, 80 W.P @ 2.5 kg/ha	UAS, Dharwad	2010	Usage of DWR-162 & local seeds By hand weeding	2	5	Seeds (UAS-304) @ 150 Kg/ha 2.4-5 80 WP @ 2.5 Kg/ha	6625	13250
Maize	•Low yield due to imbalanced nutrition •Incidence of turcicum leaf blight	ICM		60-65	45-50	• Application of ZnSo <sub>4</sub> & FeSo <sub>4</sub> • Management of turcicum leaf blight	UAS, Dharwad		Nil  Nil	5	10	• ZnSo <sub>4</sub> @ 25 Kg/ha • FeSo <sub>4</sub> @ 25 Kg/ha • DiethaneM-45 @ 750 gm/ha	2088	10440
Maize	Low yield due to sodic soils	Reclamation of problematic soil		60-65	30-35	• Compartment bunding • Application of Gypsum, vermicompost & biofertilisers	UAS, Dharwad		Nil	2	5	• Gypsum @ 2.5 ton/ha • Vermicompost @ 5 Qtls/ha • PSB @5 Kg/ha • Azospirillum @ 5 Kg/ha	10900	21800
<b>Vegetables</b>														
Onion	• High incidence of purple blotch in onion	ICM	2.4 ton/ha	14 ton/ha	2.4 ton/ha	•Introduction of purple blotch tolerant variety Arka Kalyan •Sulphur	IIHR	1990	Use of local variety  -	12	12	Seeds @ 1 Kg/ha Sulphur @ 50 Kg/ha Lamda Cylhothrin	600 1000 175	37680

Category	Problem identified	Thematic area	Current status of yield q/ha / number / litres/unit / kg/unit			Technology to be demonstrated	Source	Year of release	Local check	Area in ha / No. of units / animals /birds	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
			District average	Potential	Farmers							Name & Quantity (kg/ha) or number/unit	Cost (Rs./ha) or Rs./unit	
	<ul style="list-style-type: none"> <li>• Sulphur deficiency reduces yield &amp; keeping quality</li> <li>• Incidence of thrips and purple blotch in onion</li> </ul>					management in onion						@ 350 ml/ha Difenconazole @350 ml/ha	1365	
Brinjal	<ul style="list-style-type: none"> <li>• Incidence of shoot &amp; fruit borer</li> <li>• Incidence of Red spider mite</li> </ul>	IPM in Brinjal	178	460	300	<ul style="list-style-type: none"> <li>• Foliar spray of Carbosulfan @ 2 ml/lit</li> <li>• Foliar spray of Dicofol @ 2.5 ml/lit</li> </ul>	UAS, Dharwad		Monocrotophos	1.2	3	Carbosulfan @ 750 ml/ha Dicofol @750 ml/ha Water traps @ 8 No./ha Lucin lures @ 24 No./ha	420 330 360 288	1680
Tomato	Incidence of leaf curl	Management of leaf curl disease	75	180	120	Foliar spray of Clothridian (Dentaf) @ 0.1 ml/lit @ 35 & 50 DAT	UAS, Dharwad		Monocrotophos	1.2	3	Clothridin @ 75 ml/ha	1059	1272

Category	Problem identified	Thematic area	Current status of yield q/ha / number / litres/unit / kg/unit			Technology to be demonstrated	Source	Year of release	Local check	Area in ha / No. of units / animals /birds	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
			District average	Potential	Farmers							Name & Quantity (kg/ha) or number/unit	Cost (Rs./ha) or Rs./unit	
<b>Flowers</b>														
Chrysanthemum	<ul style="list-style-type: none"> <li>• Low yield</li> <li>• Low quality of flower</li> <li>• Low yield due to late opening of buds</li> <li>• Incidence of leaf spot</li> </ul>	Integrated Crop Management	10.10 ton/ha	18 ton/ha	10.50 ton/ha	<ul style="list-style-type: none"> <li>• Application of 100:150:100 NPK/ha</li> <li>• Foliar spray of water soluble NPK 19:19:19 fertilisers</li> <li>• Spray of Micronutrients</li> <li>• Spray of GA @ 100 pm two times after nipping &amp; after 30 days interval of 1<sup>st</sup> spray</li> <li>• Foliar spray of Propiconazole @ 1 ml/lit</li> </ul>	IIHR, Bangalore & UAS, Dharwad	-	Application of 100 Kg 19:19:19 /Ha  No spray  Carbendizem	4	10	Water soluble NPK 19:19:19 @ 2 Kg/ha Micronutrient mixture @ 300 ml  5 gm G.A/ha  Propiconazole@ 500 ml/ha	100 1000 50 672	<b>7288</b>
Aster	Low prices in Chrysanthemum	Introduction of variety	New crop	2.0 ton	-	Introduction of Aster variety – Kamini	IIHR	1994	-	1	10	650 gm seeds/ha	6500	6500
<b>Ornamental</b>														
Anthurium														
<b>Fruit</b>														

Category	Problem identified	Thematic area	Current status of yield q/ha / number / litres/unit / kg/unit			Technology to be demonstrated	Source	Year of release	Local check	Area in ha / No. of units / animals /birds	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
			District average	Potential	Farmers							Name & Quantity (kg/ha) or number/unit	Cost (Rs./ha) or Rs./unit	
<b>Spices and condiments</b>														
Black pepper														
<b>Cotton</b>														
<b>Bt. Cotton</b>	<ul style="list-style-type: none"> <li>• Dropping of squares, tender bolls &amp; leaf reddening</li> <li>• Incidence of sucking pest</li> <li>• Incidence of alterneria leaf spot</li> </ul>	ICM		25-30 q/ha	20-22 q/ha	<ul style="list-style-type: none"> <li>• Spray of MgSo<sub>4</sub> &amp; Potassium nitrate &amp; NAA</li> <li>• Spray of Imidacloprid</li> <li>• Spray of Hexaconazole</li> </ul>	UAS, Dharwad		Nil	5	5	<ul style="list-style-type: none"> <li>• MgSo<sub>4</sub>@1.25 Kg/ha</li> <li>• Potassium nitrate@2Kg/ha</li> <li>• NAA@200 ml/ha</li> <li>• Imidacloprid@150 ml/ha</li> <li>• Hexaconazole @250 ml/ha</li> </ul>	985	4925
<b>Desi Cotton</b>	<ul style="list-style-type: none"> <li>• Moisture stress</li> <li>• Low productivity due to local variety</li> </ul>	ICM	2.75 q/ha	8-10 q/ha	4-5 q/ha	<ul style="list-style-type: none"> <li>• Compartment budning</li> <li>• Demonstration of DDHC-11 variety</li> </ul>	UAS, Dharwad	2001-02	Nil  Usage of local seeds (Jayadhar) Nil	20	50	<ul style="list-style-type: none"> <li>• Seeds (DDHC-11)-10 Kg</li> </ul>	400	8000
<b>Other Fibre</b>														

Category	Problem identified	Thematic area	Current status of yield q/ha / number / litres/unit / kg/unit			Technology to be demonstrated	Source	Year of release	Local check	Area in ha / No. of units / animals /birds	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
			District average	Potential	Farmers							Name & Quantity (kg/ha) or number/unit	Cost (Rs./ha) or Rs./unit	
<b>crops</b>														
<b>Commercial</b>														
Sugarcane														
<b>Medicinal and aromatic</b>														
<b>Plantation crops</b>														
Coconut														
<b>Fodder crops</b>	Non cultivation of perennial green grass	Nutritional management	-	-	-	Introduction of improved varieties perennial fodder crops for establishing Fodder Banks	IGFRI, RRS, Dharwad & TNAU, Coimbatore	1996	-	1 ha	10	<ul style="list-style-type: none"> <li>• Hybrid Napier (CO-4) slips</li> <li>• Fodder Sorghum @ 600 gm seeds</li> <li>• Stylo santhes Hemata 200 gm</li> <li>• Lucerna seeds 300 gm</li> <li>Rhodes grass 560 slips</li> </ul>	15000	15000
<b>Dairy</b>														
Cross bred cows	Tick infestation	Management of Ecto parasites				Management of Ecto parasite with 1% Flumethrin	KVAFSU, Bidar	-	-	25	25	1% Flumethrin @ 50 ml/animal	75/animal	1875

Category	Problem identified	Thematic area	Current status of yield q/ha / number / litres/unit / kg/unit			Technology to be demonstrated	Source	Year of release	Local check	Area in ha / No. of units / animals /birds	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
			District average	Potential	Farmers							Name & Quantity (kg/ha) or number/unit	Cost (Rs./ha) or Rs./unit	
Buffaloe	Low milk production	Management of Endo parasite	4.5 liters/day	8 liters/day	5 liters/day	Management of Endo parasite in milking buffaloe	KVAFSU, Bidar			75 buffaloes	75	Fenbendazole-3 gm per animal	50/tablet	3750
Buffaloe	Wastage of dry fodder during eating	Reduction in milk production	4.5 liters/day	8 liters/day	5 liters/day	Enrichment of dry fodder	KVAFSU, Bidar			45 buffaloes	45	Salt @ 6 Kg/animal Jaggery @6 Kg/animal	10/Kg 35/Kg	12150
<b>Sheep</b>	Reduced body weight and die due to severe worm infestation	Management of Endo parasite				Management of Endo Parasite with Closantel suspension	KVAFSU, Bidar			300 sheeps	15	Closantel suspension 3 ml/ sheep	10/sheep	3000
<b>Goat</b>														
<b>Poultry</b>														
Layers														
Broilers														
<b>Piggery</b>														
<b>Rabbitry</b>														
<b>Duckery</b>														
<b>Common carps</b>														

Category	Problem identified	Thematic area	Current status of yield q/ha / number / litres/unit / kg/unit			Technology to be demonstrated	Source	Year of release	Local check	Area in ha / No. of units / animals /birds	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
			District average	Potential	Farmers							Name & Quantity (kg/ha) or number/unit	Cost (Rs./ha) or Rs./unit	
Mussels														
Ornamental fishes														
Oyster mushroom														
Button mushroom														
Vermicompost														
<b>Sericulture</b>														
Mulberry	Incidence of sucking pest	Management of sucking pest				Foliar spray of DDVP 76 EC @ 2 ml/lit	UAS, Dharwad		-	3	3	DDVP 76 EC @ 100 ml/ha	520	1560
Apiculture														
Implements														
	Drudgery in hoeing and intercultivation	-	-			Twin wheel hoe weeder	CIAE, Bhopal				10	10	1000	10000
	Drudgery in harvesting of bengalgram	Drudgery reduction				Hand gloves	-	-	-	-	20	Hand gloves-20	150	3000



Category	Problem identified	Thematic area	Current status of yield q/ha / number / litres/unit / kg/unit			Technology to be demonstrated	Source	Year of release	Local check	Area in ha / No. of units / animals /birds	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
			District average	Potential	Farmers							Name & Quantity (kg/ha) or number/unit	Cost (Rs./ha) or Rs./unit	
<b>Others (specify)</b>														
Fuel saving devices	Drudgery in cooking and collecting firewood	Drudgery				Envirofit chulha	Colarado State University's Engines and Energy Conversion Laboratory	2007			15	5	1500	7500
Value addition	Lack of awareness on fortification of soyabeen with wheat & jowar	Value addition	-	-	-	Fortification of soyabeen with wheat & jowar	UAS, Dharwad & UAS, Bangalore	-	-	-	10	Soyabeen-10 Kg  Urad dal & other ingredients-5 Kg	50  150	2000

## 6. Training Programmes

### 6.1. Plan of training programmes for Farmers/ Farm Women during 2011-12

Crop / Enterprise	Major problem	Identified Thrust Area	Training Course Title	No. of Courses	Skill to be transferred
Greengram	Abiotic stress	<i>In-situ</i> soil moisture conservation	<i>In-situ</i> soil moisture conservation practice	02	<i>In-situ</i> soil moisture conservation method
	Low productivity due to powdery mildew and pod borer	Management of powdery mildew & pod borer	Management of pod borer and powdery mildew	02	Identification of disease, pod borer and chemicals for control
	Low productivity of local variety	Introduction of S-4 variety	ICM in S-4 variety	02	Identification of morphological characteristics of S-4 variety
	Storage pest	Grain storage	Grain storage management	05	Identification of storage pest & control measurers
	Labour problem for weeding and inter cultivation	Drudgery	Drudgery reducing equipments –Twin Wheel Hoe Weeder	04	Skills in operation
Bengalgram	Incidence of wilt	Introduction of JG-11 variety along with ICM	ICM	02	Identification of wilt and varietal characters of JG-11 variety
	Incidence of pod borer	IPM	IPM	02	Identification of pest & IPM Package
Groundnut	Abiotic stress	Moisture conservation	<i>In-situ</i> moisture conservation	02	Moisture conservation methods
	Imbalanced nutrition	ICM and introduction of GPBD- 4 & TAG-24 varieties	ICM	04	Identification of characters of varieties
	Low productivity of local variety				
	Incidence of leaf minor	Leaf minor management	Leaf minor management	02	Identification of disease and chemicals for control
Weed problem	Weed management	Chemical management	03	Identification of weeds & control methods	
Sunflower	Imbalanced nutrition	Balanced nutrition	INM	02	Symptoms of deficiency & quantity and method of application of nutrients
	Powdery mildew	Management of powdery mildew	ICM	02	Identification of disease and it's management
Hybrid Cotton	Lack of Knowledge on production technology	ICM	ICM in Bt. Cotton	05	Identification of ICM practices
Desi Cotton	Low productivity of Jayadhar and imbalanced nutrition	Introduction of DDHC-11 variety	ICM	02	Identification of characteristics of DDHC-11

Crop / Enterprise	Major problem	Identified Thrust Area	Training Course Title	No. of Courses	Skill to be transferred
Maize	Problematic soils and Improper irrigation	Soil & Water management	Soil fertility and irrigation management	02	Methods of soil fertility management & irrigation
	Imbalanced nutrition	INM	INM in Maize	02	Deficiency symptoms & nutrient application
Rabi Jowar	Moisture stress	Moisture conservation	Soil moisture conservation practices and seed priming	03	Methods of soil moisture conservation practices and seed treatment with CaCl <sub>2</sub>
	Low productivity of Maladandi (M35-1) variety	Introduction of CSV-22 variety	ICM in CSV-22	02	Morphological characteristics of CSV-22 variety
Wheat	Low productivity of local variety	Introduction of improved variety	ICM	01	Morphological characteristics of variety
	Drudgery in harvesting of stalks	Improved Sickles	Harvesting of Wheat stalks with improved sickle	01	Method of harvesting
Onion	Poor quality of bulb	Introduction of Arka Kalyan variety	ICM in Onion	02	Characteristics of Arka Kalyan variety
	Weed problem	Weed management	Chemical weed management	05	
Chilli	Anthracnose disease	Management of anthracnose	Management of anthracnose	02	Identification of disease and methods of control
	Poor quality seeds	Training	Seed production	02	
	Murda complex	Murda complex management	Murda complex management	02	Identification of disease and chemicals for control
	Poor quality of dry Chilli	Post harvest management	PHT in Chilli	02	Identification of PHT technology
Mango	Incidence of hoppers & powdery mildew	Management of disease & pest	Management of hoppers and powdery mildew	02	Identification of disease and chemicals for control
Tomato	Leaf curl incidence	Management of disease & pest	Leaf curl management	01	Chemical & its dosage
Brinjal	Shoot & fruit borer	Management of shoot & fruit borer	Management of shoot & fruit borer	01	Identification of symptoms, pest and chemicals for control
Chrysanthemum	Imbalanced nutrition	INM	INM	01	Dosage & method of application of nutrients
Aster	Introduction of Aster crop	Introduction of Aster crop	ICM	01	Relevant skills in production technology

Crop / Enterprise	Major problem	Identified Thrust Area	Training Course Title	No. of Courses	Skill to be transferred
Dairy Enterprises	Imbalanced nutrition	<ul style="list-style-type: none"> <li>Nutrient management</li> <li>Fodder cultivation</li> </ul>	Nutrient management	04	Type and methods of preparation of nutrients
	Worm Infestation	Management of worms	Ecto and endo parasite management	02	Identification of ecto & endo parasites
	Ticks	Pest management	Tick management	03	-
Sheep	Worm	Deworming	Deworming	03	-
Poultry	Low productivity of eggs in local breeds	Introduction of Swarnadhara breed	Rearing of improved breed	02	Identification of breed characteristics
Fuel saving devices	Drudgery & non availability of fuels	Fuel efficiency & to reduce drudgery	Drudgery reducing tools	03	Operation of envirofit chulha
Human nutrition	Nutrition deficiency	Nutrition	Balanced diet	03	Deficiency symptoms
Farm implements	Drudgery in weeding	Drudgery reduction	Drudgery reduction equipments	02	Operation of weeder & Sickle
Storage	Storage pests	Grain storage	Grain Storage	05	Preparation of Neembaits
Value addition	Lack of awareness	Value addition	Importance of potential grains in diet and value addition	01	Preparation of Value added products

## 6.2. Plan of training programmes for Rural Youth during 2011-12

Crop / Enterprise	Major problem	Identified Thrust Area	Training Course Title*	No. of Courses	Skill to be transferred
Greengram	Lack of knowledge on ICM practice	ICM	ICM	2	Relevant skills on ICM
Groundnut	-do-	ICM	ICM	2	"
Bt. Cotton	-do-	Pest management	IPM	2	"
Onion	-do-	ICM	ICM	2	"
Chrysanthemum	-do-	ICM	ICM	2	"
Dairy animals	Imbalanced nutrition	Nutrition	Azolla cultivation	2	"
Amla	Lack of knowledge	Value addition	Value addition in amla	1	Value addition skills

### 6.3. Plan for training programmes for Extension Personnel during 2011-12

Crop / Enterprise	Identified Thrust Area	Organization	Training Course Title	No. of Courses	Skill to be transferred
<i>In-situ</i> soil moisture conservation	Moisture stress management	Karnataka State Department of Agriculture	<i>In-situ</i> soil moisture conservation practices	02	Methods of <i>In-situ</i> soil moisture conservation practices
Groundnut	Enhancement of productivity	Karnataka State Department of Agriculture	Integrated Crop Management Practices	02	Relevant skills based on the need assessment
Bt Cotton	Integrated Crop Management	Karnataka State Department of Agriculture	ICM	01	
Maize	Soil fertility management	Karnataka State Department of Agriculture	Soil fertility management	01	
Onion + Chilli	Post harvest technology	Karnataka State Department of Agriculture	Post harvest management in Onion and Chilli	01	Skills in post harvest management
Nutrition	Health	Department of Women & Child Welfare	Importance of Balanced diet, Nutrition, Health, Hygiene and Deficiency diseases	03	Layout of Kitchen Garden
Drudgery	Drudgery reduction	Department of Women & Child Welfare	Drudgery reducing equipments	05	Demonstration of drudgery reducing equipments
High value Horticulture crop	Protected cultivation of high value crop with flower and vegetable	State Department of Horticulture	Cultivation of high value Horticulture crop under protected condition	01	Layout, planting and fertigation method
Bio-Pesticides	Preparation & usage of bio-pesticides to crops	Karnataka State Department of Agriculture	Preparation and usage of bio-pesticides	01	Method demonstration on preparation of Neem & Pongamia paste

#### 6.4. Plan of vocational training programmes for Young Farmers during 2011-12.

Crop / Enterprise	Identified Thrust Area	Training title*	No. of programmes	Duration (days)	Skill to be transferred
Dairy	Self Employment	Scientific dairy farming	03	05	Dairy management skills
Terrace gardening	Self Employment	Gardening Techniques	01	05	Gardening Skills
Entrepreneurship	EDP Skills	EDP in Agriculture	03	05	Skills in Production, Processing and Marketing of agriculture produce
Value addition	Food processing	EDP & Food processing	01	10	Preparation of value added products and instant mixes
Vermicompost Technology	Usage and preparation of vermicompost	Vermicompost production technology and usage	02	05	<ul style="list-style-type: none"> <li>Preparation of bed</li> <li>Value addition to vermicompost</li> </ul>
Bio-pesticides	Preparation of Bio-pesticides	Preparation and usage of Bio-pesticides	01	05	Preparation methods & schedule of usage

#### 6.5. Plan for sponsored training programme during 2011-12

Crop/ Enterprise	Identified Thrust Area	Sponsored Organization	Training course title*	No. of Courses	Sponsored Agency	Skill to be transferred
Soil	Soil fertility management	KSDA (Agriculture Department)	Soil fertility management	3	--	Relevant skills will be transferred based on need assessment
All crops	Soil moisture conservation	Watershed Development Department	<i>In-situ</i> soil moisture conservation	3	--	
Oil seeds	ICM	KSDA	ICM	3	--	
Pulses	ICM	KSDA	ICM	2	--	
Soil, Water & Crop Management	Water Management	CADA	Soil, Water & crop management in command area	10	--	
Dairy Enterprises	To increase Milk production	Zilla Panchayat	Management of milch animals	8	--	
Fruits & vegetables	Processing	State Department of Horticulture	Fruit and vegetable processing	2	--	
Lead crops & enterprise	Development of master training	NABARD	-	5	--	
Amla	Awareness & importance	IIHR Bangalore & Medicinal Plant Board	Training on cultivation of medicinally important crop and value addition	3	--	

## 7. Extension programmes planned for 2011-12

Month	Block & village	Extension programme*	Its relation to KVK activities (Tables 2 to 6)**	Expected category of participants	Remarks
1	2	3	4	5	6
April	<p><b>Gadag</b> Asundi Hulkoti Kurthkoti Mallasamudra Lakkundi</p> <p><b>Mundargi</b> Jantli Shirur Shingataraynkeri Peta Alur Ramenahalli</p> <p><b>Shirahatti</b> Bannikoppa Suganahalli Hadagali</p>	<ul style="list-style-type: none"> <li>• Soil sample collection &amp; testing</li> <li>• Kharif campaign</li> <li>• Method demonstration on Groundnut Decorticator</li> <li>• Method demonstration in compartment bunding</li> <li>• Farmers meeting</li> <li>• Seminar on Kharif crops</li> <li>• Field school on soil &amp; water conservation</li> </ul>	<ul style="list-style-type: none"> <li>• Front Line Demonstration</li> <li>• Training programme</li> <li>• Front Line Demonstration</li> <li>• On-farm testing</li> </ul>	1000	
May	<p><b>Ron</b> Jakkali Maranabasari Budhihal</p> <p><b>Naragund</b> Banahatti Kurlageri Mooganur</p>	<ul style="list-style-type: none"> <li>• Soil sample collection &amp; testing</li> <li>• Kharif campaign</li> <li>• Soil and water conservation campaigns</li> <li>• Farmers meeting</li> <li>• Seminar on soil salinity management</li> </ul>	<ul style="list-style-type: none"> <li>• Training programme</li> <li>• Front line demonstration</li> </ul>	1000	
June	<p><b>Gadag</b> Kurthkoti Asundi Mulagund Soratur</p>	<ul style="list-style-type: none"> <li>• Farmers meeting at FRC</li> </ul>	<ul style="list-style-type: none"> <li>• Training &amp; supply of seed</li> <li>• FLD</li> </ul>	300	
	<p><b>Hulkoti</b></p>	<ul style="list-style-type: none"> <li>• Orchard layout</li> </ul>	<ul style="list-style-type: none"> <li>• Training</li> </ul>	150	
	<p>All the identified villages</p>	<ul style="list-style-type: none"> <li>• Method demonstration on Groundnut Decorticator</li> </ul>	<ul style="list-style-type: none"> <li>• FLD</li> <li>• Training</li> </ul>	50	
	<p><b>Ron</b> Jakkali Maranabasari Budhihal</p>	<ul style="list-style-type: none"> <li>• Animal health camps</li> <li>• Seminar on animal nutrition</li> </ul>	<ul style="list-style-type: none"> <li>• FLD</li> <li>• Training</li> </ul>	200	

Month	Block & village	Extension programme*	Its relation to KVK activities (Tables 2 to 6)**	Expected category of participants	Remarks
	<b>Shirahatti</b> Bannikoppa Muradi	<ul style="list-style-type: none"> <li>Demonstration of weeders</li> </ul>	<ul style="list-style-type: none"> <li>FLD</li> </ul>	100	
July	<b>Ron</b> Jakkali	<ul style="list-style-type: none"> <li>Radio programme on ICM in greengram, bengalgram and groundnut</li> </ul>	<ul style="list-style-type: none"> <li>FLD and training</li> </ul>	25	
	<b>Shirahatti</b> Bannikoppa	<ul style="list-style-type: none"> <li>Weeder demonstration</li> <li>Demonstration on chemical weed management in onion</li> </ul>	<ul style="list-style-type: none"> <li>Training</li> <li>FLD</li> </ul>	150 100	
August	<b>Ron</b> Jakkali	<ul style="list-style-type: none"> <li>Field day on Greengram</li> </ul>	FLD	200	
	<b>Mundaragi</b> Jantlishirur	<ul style="list-style-type: none"> <li>Demonstration on Azolla</li> <li>Deworming camp for sheep &amp; goat</li> </ul>	Training FLD	50 50	
September	<b>Shirahatti</b> Bannikoppa	<ul style="list-style-type: none"> <li>Field Day on Greengram</li> </ul>	FLD	200	
	<b>Ron</b> Jakkali	<ul style="list-style-type: none"> <li>Demonstration on machine harvesting of Greengram</li> </ul>	Training	200	
	All the villages	<ul style="list-style-type: none"> <li>Technology week celebration</li> </ul>	Mandated activity	1500	
	<b>Gadag</b> Kurthakoti Mulagund Asundi Soratur	<ul style="list-style-type: none"> <li>Farmers meeting at FRCs</li> </ul>	-	400	
October	All the identified villages	<ul style="list-style-type: none"> <li>Rabi Campaign</li> <li>World Food Day Celebration</li> <li>Demonstration of envirofit chulha</li> </ul>	Training FLD	1000	
		<ul style="list-style-type: none"> <li>Method demonstration on the preparation of neem baits</li> </ul>	OFT	300	
	<b>Gadag</b> Lakkundi	<ul style="list-style-type: none"> <li>Field Day on Aster &amp; Chrysanthemum</li> </ul>	FLD	200	



Month	Block & village	Extension programme*	Its relation to KVK activities (Tables 2 to 6)**	Expected category of participants	Remarks
November	<b><u>Shirahatti</u></b> Bannikoppa	• Field Day on Onion	FLD	150	
	<b><u>Gadag</u></b> Kurthakoti	• Field Day on Chilli	OFT	150	
	<b><u>Ron</u></b> Bannikoppa Jakkali	• Field day on Groundnut	FLD	150	
December	<b><u>Ron</u></b> Jakkali	• Women in Agriculture day	Celebration	150	
	<b><u>Shirahatti</u></b> Bannikoppa	• Exhibition of value added products of foxtail millet • Field day on maize	FLD	150	
	<b><u>All the villages</u></b>	• Seminar on PHT in onion & chilli	Training	200	
January	<b><u>Ron</u></b> Jakkali	• Field day in Bengalgram	FLD	150	
	<b><u>All the villages</u></b>	• Technology Week Celebration Exhibition • Animal health camp	Mandated activities  Training	1500  200	
February	<b><u>Ron</u></b> Jakkali	• Field day on Desi cotton • Rabi jowar	FLD	300	
	<b><u>Shirahatti</u></b> Bannikoppa	• Demonstration on Improved Sickle	FLD	100	
	<b><u>All the villages</u></b>	• Method demonstration in cot bags	OFT	200	
March	<b><u>Naragund</u></b> Banahatti	• Field day on wheat • Method demonstration of improved sickle	FLD  FLD	100  50	
	<b><u>Shirahatti</u></b> Bannikoppa	• Field day on summer Groundnut	FLD	150	

### 8. Details of print & electronic media coverage planned for 2011-12

Sl. No.	Nature of literature/publications and no. of copies	Proposed title of the publication
1	Leaflet – 2000	• Importance of value addition in Amla
	Leaflet – 2000	• Drudgery reduction equipments
2	Leaflet – 5000	• <i>In-situ</i> soil moisture conservation practices
3	Leaflet – 3000	• Production technology in Onion
4	Leaflet – 3000	• Chrysanthemum cultivation
5	Handouts-5000	• Management of pest and disease in Groundnut, Bengalgram, Greengram, Chilli and Mango
6	Handouts-5000	• Production technology in Groundnut, Sunflower, Cotton, Rabi Jowar, Wheat, Maize
7	Handouts-2000	• Animal nutrition
Sl. No.	Nature of media coverage	Proposed title of the programme to be telecasted/ broadcast
1	Radio talk	Dry land agronomic practices
2	Radio talk	INM in Oilseeds
3	Radio talk	ICM in Bt Cotton
4	Radio talk	Quality bulb production in Onion
5	Radio talk	Soil fertility management
6	Television	PHT in onion & chilli
7	Television	Murdha complex management in Chilli
8	Mobile message -500	Relevant information on technology, weather and market

### 9. Nature of collaborative activities planned for 2011-12

Thrust area	Collaborative Organizations	Nature of activities	No. of Activities
• Development of master trainers	NABARD	Training	03
• ICM in Oilseeds, Pulses and Cotton	Karnataka State Department of Agriculture	Training	10
• Strengthening of Farm Resource Centres	Deshpande Foundation, USA	Resource Centre for disseminating of knowledge & supply of inputs & services	01
• Transfer of technology	Karnataka State Department of Agriculture	Implementation of Field School	01
• Self Employment	Zilla Panchayat, SGSY Programme	Training	10
• Soil and Water Conservation	District Watershed Development Department	Training	10
• Soil, crop & water management	CADA, Belgaum	Training	15
• ICM in lead crops	Grameena Suvidha Kendra	Training	05

### 10. Financial status of revolving fund and plan for its utilization

Opening balance as on 01.04.2010 (Rs.in Lakh)	Expenditure incurred during 2010-11 (Rs.in Lakh)	Receipts during 2010-11 (Rs.in Lakh)	Closing balance as on 31.01.2011 (Rs.in Lakh)	Proposed expenditure during 2011-12 (Rs.in Lakh)	Purpose	Expected production (Tonnes / Lakh Numbers/)	Proposed receipts during 2011-12 (Rs.in Lakh)
3.25	11.89	14.27	5.63	14.00			20.00

## 12. Physical status of revolving fund and plan for its utilization

Opening stock position of materials* as on 01.04.2010 (Tonnes / Lakh Numbers/)	Quantity produced during 2010-11 (Tonnes / Lakh Numbers/)	Quantity sold during 2010-11 (Tonnes / Lakh Numbers/)	Closing stock position as on 31.01.2011 (Tonnes / Lakh Numbers/)	Expected production during 2011-12 (Tonnes / Lakh Numbers/)	Expected number of farmers to be benefited
Vermicompost:0.06	30.0	28.6	1.50	40.0	16
Earthworms: 0.05	0.125	0.125	Nil	0.13	50
Amla products:0.05	0.050	0.040	0.015	0.060	-
Cotton	1.50	1.50	Nil	2.0	135
Groundnut	1.0	1.0	Nil	1.50	10
Greengram	1.80	1.80	Nil	2.0	175
Rabi Jowar	2.40	2.40	Nil	2.0	120
Onion	0.50	0.50	Nil	1.5	180
Wheat	2.30	2.30	Nil	0.5	12
Ridge gourd	0.025	0.025	Nil	0.1	40
Mango Seedlings	4000 (nos)	4000 (nos)	Nil	-	-
Amla Seedlings	-	-	Nil	25000 (Nos)	250
Subscription to Kannada News Letter	55000 copies	55000	Nil	60000 copies	5000

## 12. Status of KVK farm and Demonstration units

No. of blocks	Area	Source of irrigation	Season	Crop/enterprise/demonstration units	Size (no. of units/area)	Expected output	
						Quantity	Value (Rs.in lakh)
01	20 ha	Bore well as protective irrigation for about 4 ha land	Kharif	Green gram	3.10	15 Qt	60,000
				Groundnut	1.80	18 Qt	45,000
				Onion + chilli	1.60	65 Qt	32,500
				Chilli	-	8 Qt	40,000
				Tomato	0.40	40 Qt	20,000
			Rabi	Rabi Jowar	1.50	15 Qt	15,000
				Cotton	4.00	30 Qt	75,000
				Bengalgram	1.00	10 Qt	22,000
			Perennial	Simroubha	0.40	3 Qt	1,500
				Amla	1.00	10 Qt	20,000
Guava	1.20	45 Qt		22,500			
Mango	0.80	2 Qt		80,000			
	Mixed Orchard	1.20	-	Yet to yield			
				Vermicompost and earthworms production units	100' X 40'	50 tons	1,25,000
<b>Total</b>						<b>5,58,500</b>	

**13. Are there any activities planned for production and supply (Either buy back or directly farmer to farmer) of seeds/ planting material/ Bio-agents etc. in villages (other than KVK farm) so that public private partnership is utilized. Please give details in the following format**

Sl. No	Seeds/Planting material /Bio-agent	Name of the public-private partnership arranged	Quantity of output expected (Qtl)
1	Greengram	KVK identified JLG/SHG members	30
2	Bengalgram	KVK identified JLG/SHG members	30
3	Groundnut	KVK identified JLG/SHG members	40
4	Onion seed production	KVK identified JLG/SHG members	20

**14. What is the extent of cultivable wasteland in your district? Are there any specific activities planned to be implemented in these wastelands by the KVK during 2011-12. Please give details.**

Cultivable wasteland in Gadag district is very less. Hence no activities are proposed

**15. National Horticulture Mission (NHM) is being implemented through out the country. You are requested plan for implementing some of the activities envisaged in NHM in your district in collaboration with district head of department of horticulture. Please give details of any such plans for 2011-12**

National Horticulture Mission is being implemented in Gadag district from 2009-10. During 2011-12, KVK has planned to organize training programmes for NHM assisted farmers in collaboration with State Department of Horticulture. Apart from training, KVK has planned farm advisory services for farmers covered under National Horticulture Mission.

**16. Whether SREP under ATMA is prepared and implemented & functioning in your district?  
YES**

**If yes, what type of coordination and collaboration does your KVK is proposed to have during 2011-12?**

Sl. No	Name of activity / Programmes	No. of programmes	Crops / Enterprise	Extent of coverage*	
				No. of farmers	Area (ha)
1	Field School	2	Onion, Greengram	50	5
2	Training	10	Bt. Cotton, Onion, Groundnut, Bengalgram	300	-
3	Exhibition	1	-	-	-

\*if relevant

**17. What type of Scientist-Farmer linkages are proposed by your KVK for 2010-11?**

KVK has established Farm Resource Centres in 5 villages for speedy technology dissemination. These centres act as a platform for scientist-farmer linkage. Apart from this, KVK has network of farmer groups and field school programmes which facilitate for scientist-farmer linkage. In Ron block, KVK proposes linkage with 625 farmers in collaboration with Grameena Suvidha Kendra.

Mobile based farm advisory, weather and marketing services are already being rendered to the farmers. A total of 800 farmers have got registered for the SMS service.

### 18. Activities of soil, water and plant testing laboratory

Year of establishment	Expenditure Rs.(lakhs)	No. of soil samples planned to be analyzed and reported	No. of water samples planned to be analyzed and reported	No. of Plant Samples planned to be analyzed and reported	Remarks if any
2005-06	11.88	600	200	150	-

### 19. Details of budget utilization (2010-11) upto February 2011

S. No.	Particulars	Sanctioned	Released	Expenditure
<b>A. Recurring Contingencies</b>				
1	<b>Pay &amp; Allowances</b>	5800000.00	5800000.00	5181438.00
2	<b>Traveling allowances</b>	125000.00	125000.00	124850.00
3	<b>Contingencies</b>			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	250000.00	250000.00	206153.00
B	POL, repair of vehicles, tractor and equipments	220000.00	220000.00	163853.00
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	100000.00	100000.00	99980.00
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	80000.00	80000.00	38913.00
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	175000.00	175000.00	172485.00
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	75000.00	75000.00	73736.00
G	Training of extension functionaries	25000.00	25000.00	25020.00
H	Maintenance of buildings	25000.00	25000.00	24981.00
I	Extension Activities	25000.00	25000.00	21213.00
J	Library	5000.00	5000.00	4857.00
K	Farmers' Field School	25000.00	25000.00	20408.00
L	Special programme on FLD	95000.00	95000.00	95143.00
<b>TOTAL (A)</b>		<b>6525000.00</b>	<b>6525000.00</b>	<b>6087483.00</b>

S. No.	Particulars	Sanctioned	Released	Expenditure
<b>B. Non-Recurring Contingencies</b>				
1	<b>Works</b>			
	a) Demo unit	300000.00	300000.00	300000.00
	b) Vehicle and implement shed	200000.00	200000.00	200000.00
	c) Irrigation system	300000.00	300000.00	300000.00
	d) Storage godown	300000.00	300000.00	300000.00
	e) Threshing and drying yard	200000.00	200000.00	200000.00
	f) Fencing cum compound wall	800000.00	800000.00	800000.00
	g) Road formation	500000.00	500000.00	500000.00
	h) Borewell	300000.00	300000.00	0.00
	i) Repair & renovation	300000.00	300000.00	300000.00
2	<b>Equipments including SWTL &amp; Furniture</b>			
	a) Laser guided land leveler	500000.00	500000.00	0.00
	b) Power Tiller	150000.00	150000.00	0.00
	c) Earthworm rearing stand	30000.00	30000.00	0.00
	d) Lab equipments for dairy and goatery	50000.00	50000.00	0.00
	e) Generator	100000.00	100000.00	100000.00
	f) Furniture & furnishing	200000.00	200000.00	0.00
	g) EPABX system	50000.00	50000.00	0.00
	h) Plant health diagnostic facility	100000.00	100000.00	0.00
3	Library	10000.00	10000.00	0.00
<b>TOTAL (B)</b>		<b>5290000.00</b>	<b>5290000.00</b>	<b>3272000.00</b>
<b>C. REVOLVING FUND</b>				
<b>GRAND TOTAL (A+B+C)</b>		<b>12315000.00</b>	<b>12315000.00</b>	<b>9525030.00</b>

20. Details of Budget Estimate (2011-12) - ICAR KVKs alone may consider Pay and Allowances based on VI Pay Commission Orders from ICAR, for rest of the KVKs please estimate based on the existing norms, since ICAR is yet to take decision in this regard.

Sl. No.	Name of the Head	Amount (Rs. In lakhs)	
<b>A) Recurring Items</b>			
I	Pay & Allowances		69.75
II	Travelling Allowances		3.50
III	<b>Contingencies</b>		18.30
	1) Stationery and Office Expenses	3.00	
	2) POL	3.00	
	3) Meals/Refreshments for Trainees	2.00	
	4) Training Materials	2.00	
	5) FLD (Excluding Oilseeds & Pulses)	3.90	
	6) On Farm Testing	1.65	
	7) Extension Functionaries Training	0.50	
	8) Library maintenance	0.25	
	9) Building maintenance	0.50	
	10) FFS	0.25	
	11) Extension Activities	1.00	
	12) Maintenance of STL	0.25	
<b>Total (A)</b>			<b>88.00</b>
<b>B) Non-Recurring Items</b>			
I	Special programme (IFS)		10.00
II	Equipments (Atomic Spectro Photo Meter)		6.00
<b>Total (B)</b>			<b>16.00</b>
<b>Grand total (A+B)</b>			<b>107.55</b>

## 21. Targets for E-linkage activities for 2011-12

S. No	Nature of activities	Likely period of completion (please set the time frame)	Remarks if any
01	Creation of web-site	Already created	
02	Title of the technology module to be prepared	Greengram – October 2011	Need training on preparation of technology module
03	Creation and maintenance of relevant database system for KVK		
	1. OFT	January 2012	
	2. FLD	January 2012	
	3. Training database	Already maintained	
	4. Seeds & planting material	Already maintained	
	5. Extension activities	Already maintained	
	6. Database of farmers visiting to our KVK	June 2011	
	7. District database	Already maintained	
8. Database of soil test	January 2012		
04	Any other (Please specify)		

**22. Activities planned under Rainwater Harvesting Scheme during 2011-12 (only to those KVKs which are already having scheme under Rain Water Harvesting)**

S. No	Activities planned during 2011-12	Remarks if any
1	Training to farmers & farmwomen -500 No.	-
2	Demonstration - 5 No.	-
3	Seminars 1 No.	-

**23. Publication of success story / case study planned for 2011-12**

S. No	Title of success stories	Proposed date for finalization of documentation*	Title of the case study*	Proposed date for finalization of documentation*
1	A success story on Aster cultivation	31 <sup>st</sup> May 2011	1) Dry land horticulture	31 <sup>st</sup> May, 2011
2	A success story on Vermicelli enterprise	31 <sup>st</sup> May 2011	2) Soil and water conservation	31 <sup>st</sup> May, 2011

**24. Technology Week**

Particulars	Details
Period of Technology Week Observed during 2010-11	September and January
Period of Technology Week planned during 2011-12	January (1 day seminar on Kharif crops will be organized in the month of June and 1 day seminar on rabi crops will be organized in the month of September. During the seminar technological products will be sold to the farmers. Weeklong technology celebration will be held in the month of January)
No. of demonstrations planned to be conducted in KVK Campus to show to the farmers during Technology Week	30
Other activities / Programmes planned in connection with Technology Week	Exhibitions, Farm visit, Farmers interaction with SMSs.

**25. Innovative Farmer's Meet**

Particulars	Details
Are you planning for conducting Farm Innovators meet in your district?	Yes
If Yes likely month of the meet	January 2012
Brief action plan in this regard	It will be submitted latter

**26. Progressive Farmers List**

Particulars	Details
Number of Progressive Farmers address and all details planned to be collected and documented during 2011-12*	500
Likely Date and Month of completion of this work (on or before 30 <sup>th</sup> June 2011)	30 <sup>th</sup> June, 2011

**27. Farmer's Field School planned during 2011-12**

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.
1	Integrated Crop Management	ICM in Onion	25,000.00

**28. Please give details of activities planned, other than those listed above.**

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