ZONAL PROJECT DIRECTORATE – ZONE VIII BANGALORE

ACTION PLAN OF KVKs IN ZONE VIII FOR THE YEAR 2011-12

GENERAL INFORMATION ABOUT KRISHI VIGYAN KENDRA

I. General information about the Krishi Vigyan Kendra

1.	Name and address of KVK with Phone, Fax and e-mail	:	Taralabalu Krishi Vigyan Kendra Kadalivana, LIC Colony Layout, B.I.E.T. College Road DAVANAGERE-577004 Karnataka Telephone : 08192-263462 Fax : 08192-260969 E-mail : dvgtkvk@yahoo.com. Website : www.taralabalukvk.com
2.	Name and address of host organization with Phone, Fax and e-mail	:	Taralabalu Rural Development Foundation SIRIGERE-577541 Dist.: Chitradurga Phone: 08194 – 268829, 268842 Fax: 08194 – 268847 E – mail: trdf@taralabalu.org
3.	Name of the Programme Coordinator Residence Phone Number/ Mobile No.	:	Dr.T.N.Devaraja Mob.: 94498-56876
4.	Year of sanction	:	2004
5.	Year of start of activities	:	June 2005
6.	Major farming systems/enterprises Population Farm families Agricultural Labourers	:	**Rainfed system**: Maize, Maize+Redgram, Ragi, Ragi+Horsegram, Greengram-Ragi, Minor millets, Jowar, Bengalgram , Redgram, Groundnut, Sunflower, Cotton, Mango. **Irrigated system**: Rice- Rice, Sugarcane, Arecanut, Banana, Coconut, Papaya, Vegetable crops, Fodder crops. **Enterprises**: Poultry, Dairy, Sheep/ Goat rearing, Fisheries, Vegetable nursery, Nursery 17,90,952 (2001 census) 2,19,988 1,70,138
7.	Name of agro-climatic zone	:	Zone – III, IV, VII Harapanahalli – Zone- III Davanagere, Harihar and Jagalur - Zone- IV Channagiri and Honnali – Zone-VII
8.	Soil type	:	Medium to deep black soils and Red sandy loam soil
9.	Annual rainfall (mm)	:	**Normal** - 656.9 **Actual** - 1018.5

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	2	2	2	2	15

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

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	Existing Pay scale	No. in which directly associated in the proposed programme				Date of joining	Permanent/ Temporary
					No. of technologies to be assessed	FLD.s	Training programmes	Extension programmes		
1.	Programme Coordinator	Dr. Devaraja T.N.	Fisheries	12000-420-18300	-	02	10	20	17-05-05	Per.
2.	Subject Matter Specialist	Mr.Basavanagowda M.G.	Horticulture	8000-275-13500	03	03	18	37	21-11-06	Per.
3.	Subject Matter Specialist	Mr. Mallikarjuna B.O.	Agronomy	8000-275-13500	01	06	21	43	09-01-08	Per.
4.	Subject Matter Specialist	Dr. Jayadevappa G.K.	Animal Science	8000-275-13500	-	05	08	25	29-01-08	Per.
5	Subject Matter Specialist	Mr. Raghuraja J.	Agriculture Extension	8000-275-13500	-	-	05	23	23-06-08	Per.
6	Subject Matter Specialist	Mr. Prasanna Kumara N.	Plant Protection	8000-275-13500	01	05	15	35	24-06-08	Per.
7	Subject Matter Specialist	Dr. Pradeep H.M.	Soil Science	8000-275-13500	02	03	15	30	25-06-08	Per.
8	Programme Assistant	Vacant	-	-	-	-	-	-	-	-
9	Programme Assistant	Mr. Santhosh B.	Computer	5500-175-9000	Not Applicable				05-09-08	Per.

10	Programme Assistant	Mr. Vijaya Kumar S.B.	Farm Manager	5500-175-9000		23-06-08	Per.
11	Assistant	Mr.Mallikarjuna S. Gudihindala	Assistant	5500-175-9000		01-06-05	Per.
12	Stenographer Grade-III	Mrs.Mamatha H. .Melmalagi	Stenographer Grade-III	4000-100-6000	Not Applicable	26-06-05	Per.
13	Driver	Mr.N.M.Marulasiddaiah	Driver	3200-85-4900		01-06-05	Per.
14	Driver	Mr.S. Shivakumar	Driver	3200-85-4900		01-06-05	Per.
15	Grade-I	Mr.B. Shivakumar	Grade-I	2550-55-2660-60-3200		01-06-05	Per.
16	Grade-I	Mr.S.E. Shivakumar	Grade-I	2550-55-2660-60-3200		01-06-05	Per.

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

S. 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.	Extension	Participatory Impact Monitoring Analysis	ZPD, Bangalore	ICAR, New Delhi	To study the dissemination of the technology.	To conduct more precise impact studies of FLD, OFT and trainings implemented by KVK.	06	-
2	Horticulture	Application of remote sensing and geographical information systems in Agricultureal Development	MANAGE, Hyderabad	MANAGE	To know about application of remote sensing in crop production	Use the technology in precision farming in horticulture crops	06	-
3.	Plant Protection	IPM in Oil seed and pulses	DOR, Hyderabad	-	-	Conducting effective training on new approaches in Oil seed and pulses	07	5000/-

V. Infrastructure

i) Land

Total Area (ha)	Area Cultivated (ha)	Area occupied by buildings and roads (ha)	Area with demonstration units (ha)
15	13 (8 For crops + 5 for agro forestry/Orchards	1.57	0.25

ii) Buildings

Admn. Building			Trainees Hostel			Staff Quarters			Demonstration Unit		
Plinth area (m^2)	Cost (Rs. in lakhs)	Year	Plinth area (m^2)	Cost (Rs. in lakhs)	Year	Plinth area (m^2)	Cost (Rs. in lakhs)	Year	No.	Plinth area (m^2)	Cost (Rs. in lakhs)
550	47.55	2007-08	300	21.24	2007-08	392	28.61	2007-08	Dairy, Banana special production unit	160	6.41

iii) Vehicles

Type of vehicle	Model	Actual cost (Rs.)	Total kms. Run	Present status
Temp cruiser	2005	499250-00	1,04,098	Good
Hero Honda CD Deluxe	2006	39298-00	33585	Good
Yamaha Albha	2009	48309-00	15449	Good
Tractor and trailer	2005	499995-00	1841 hours	Good
Power tiller (Funded by cotton FLD)	2008	99400-00	-	Good
Power tiller (Funded by ICAR)	2010	149950-00	-	Good

iv) Equipments and AV aids

Sl. No.	Name of Equipments	Date of purchase	Cost (Rs.in lakhs)	Present status
1.	Xerox Machine	2006	73840-00	Good
2.	Digital camera	2006	19900-00	Not in working condition
3.	Overhead projector	2006	19935-00	Good
4.	TV with DVD player (Funded by : SHIMUL)	2006	11350-00	Good
5.	LCD Projector system + Computer + Laser jet printer	2007	100103-00	Good
6.	VRC system (Funded UAS, B.	2008	-	Good
7.	Fax (Four in one)	2009	15,000-00	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	20-3-2010	• To develop Technocrats for working in blocks/ clusters of villages to disseminate technologies easily. • To train horticulture trainees from Siddanuru village on Post Harvest Technologies. • To promote farmers growing organic vegetables and helping them to market those products. • To conduct more number of vocational trainings • To conduct more of field days in extension activities and to justify OFTs and FLDs conducted repeatedly. • To arrange farmer – farmers and farmers – scientists interaction programmes. • To encourage pulse production among farmers. Especially as a intercrop in Maize to improve soil fertility. • To avoid use of grain such as Ragi for cattle feed and instead use other grains locally available at cheaper cost. • To popularize fodder varieties of IGFRI, for which it is ready to supply planting materials required and to record straw grain yield in demo plots for better comparison among crops. • To popularize subabul trees plantation and azolla cultivation to alleviate fodder scarcity • To adopt milking machine in dairy unit. • To use short messages services (SMS) to disseminate technological information to farmers. • To Popularize mechanization in agriculture Eg.: Paddy transplanter, weeder etc. • To establish plant health clinic. • To introduce cashew crop in Jagalur and Harapanahalli taluk, for this purpose inputs available under NHM can be utilized. • To popularize IFS model among farmers, suggested to adopt one acre model of Bavikere developed by Dr. Rudraradhya. • To conduct awareness programmes on organic farming and conservation of livestock. • To popularize flower cultivation in arecanut and coconut plantation in a small scale. • To conduct awareness programme for fertilizers and pesticide dealers on correct usage (dosage). To encourage dealers to register for diploma programme from agriculture collage, Shimoga • To popularize redgram varieties for different seasons and also to standardize the cost of production. • To popularize intercropping with Cocoa, Pepper in Arecanut and Coconut.

VII. Date planned for conducting SAC meeting during 2011-12: 18-04-2011

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	If existing from which year
1	Davanagere Harapanahalli	Siddanur Kurki Anjigere	Maize	• Poor fertilizer management with respect to potash • Stem borer and downey mildew • No micronutrient application ($ZNSO_4$) • Weed manace	• INM • ICM • Resistant hybrid	Siddanur Kurki (N) Anjigere (N)	1 year
2	Channagiri Davanagere	Bomenahalli Siddanur	Ragi	• Low yield • Use of locally available seeds • No intercropping system • No seed treatment with biofertilizers	• ICM • Higher production and productivity	Bomenahalli Siddanur	1year
3	Harpanahalli	Mydur Budihal Anajigere	Navane Groundnut Sunflower	• Poor quantity local seeds and low yield • No micronutrient applications • No seed treatment with bio fertilizers	ICM	Mydur (New)	-
4	Harapanahalli Davanagere Honnali	Hoskate Angodu Taraganahalli	Cotton	• Improper spacing and higher seed rate • Leaf reddening and square drying • No micro and macro nutrients sprays used • No INM	ICM	Hoskate Angodu (N) Taraganahalli (Existing)	- 01
5	Davanagere	Siddanur, Igur, Chikkanahalli, Kempanahalli etc Kandagal, Dhyamanahalli, RG Halli, Thogaeri	Crossbred cattle, sheep, goat and poultry birds rearing Crossbred cows	• Lower milk production, Infertility problem • Infertility and lower production	Feeding Feeding	Existing Existing	Since 1995 Since 2000

6	Davanagere	Belavanur Kakkaragolla	Paddy	• Blast	IDM	New	-
7	Davanagere	Anagodu Kodaganur Nerlige	Tomato	• Early and late blight	IDM	New	-
8	Channagiri	Dyaginakatte Harosagere Basavapatna Belliganudu	Arecanut	• Hidimundige • Snail	IDM IDM	Existing Existing Existing Existing	3rd Year 3rd Year 3rd Year 2nd Year
9	Harihara	Anagavadi Shamjhipura	Arecanut	• Inflorescence drying and Inflorescence caterpillar	IPDM	New	-
11.	Davanagere	Siddanuru	Redgram	• No seed treatment • Pod borer and wilt • Use local variety	ICM	Existing	Since 1995

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

A.Crops

Thrust areas	Crops to be covered	Interventions planned
Integrated crop management	Maize	• FLD and OFT , Training
Inter cropping with pulses in cereals	Redgram,	• FLD , training
Improved hybrid varieties for Millets	Ragi	• FLD KMR-301
Micro and Macronutrients sprays	Navane	• FLD
Integrated Crop management	Cotton	• FLD , training , demonstration
Integrated crop management	Groundnut	• FLD, training , demonstration
Integrated crop management	Sunflower	• FLD and OFT
Integrated nutrient management	Banana and Coconut	• OFT
Integrated pest management	Arecanut, Bengalgram and Sunflower	• FLD & OFT
Integrated disease and pest management	Arecanut, Paddy, Tomato	Integrated management of hidimundige in arecanut Integrated management of inflorescence drying and inflorescence caterpillar in arecanut Integrated management of blast in paddy Integrated management early and late blight in tomato

B. Livestock, poultry, fisheries

Thrust areas	Livestock/ poultry / fisheries to be covered	Interventions planned
Feeding livestock's	Cattle, Sheep	OFT, FLD, Training Programme
Hygienic milk production	Dairy animals	FLD
Integrated fish culture and fish seedling production	Fisheries	FLD, Training, Demonstrations

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

Crop/ Enterprise	Thrust area	Identified Problem	Planned Interventions					
			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	Details of technological products produced and supplied (specify name of product, variety, breed etc.)
Maize	• ICM • Integrated Nutrient management • Resistant hybrid	•Improper nutrient management (No potash application) • Poor soil fertility with sole cropping. • No Micronutrient application ($ZnSO_4$) • Stem borer and downey mildew • Weed manace	Weed management in hybrid Maize		• ICM in hybrid Maize (NAH-1137) and (NAH-2049)	• Methods of weed management • Seed treatment of maize seeds with biofertilizers • Role of micro and micronutrient in maize • Value added products preparation.	• Field visit • Method Demonst4ation • Field days	-
Ragi	• ICM • Higher production and productivity	• Low yield • Use of locally available seeds • No intercropping system No seed treatment with biofertilizers			• Integrated crop management in HYV Ragi (KMP 301)	• Seed treatment with biofertilizer • Role of weed management in enhancing yield • By products preparation	• Field visit • Method Demonst4ation • Field days	-

Navane	• Quality seeds for sowing • Intercropping • INM	• Poor quantity local seeds and low yield • No micronutrient applications • No seed treatment with bio fertilizers			• Integrated nutrient management	• Improved organic practices in Navane • Soil moisture conservation technologies • Value added products.	• Group discussion • Meeting • Field visits • Method demonstration • Field days	-
Cotton	• Spacing (120 x 120) • INM • Intercropping	• Improper spacing and higher seed rate • Leaf reddening and square drying • No micro and macro nutrients sprays used			• ICM in Cotton	• Recent advances in production technology. • Weed management through mechanization (Power weeder) • Advantages of wider spacing and INM • IPM	• Group discussion • Meeting • Field visits • Method demonstration • Field days	-
Sunflower	• IPDM	• Bud necrosis, Powdery mildew, root rot and BHC • Improper nutrient management	Evaluation of different fungicides for management of powdery mildew in sunflower	-	• ICM in Sunflower	• IPDM in sunflower	• Training, • Method demonstration • Film show • Field day	Trichoderma -20kg
Groundnut	• Integrated crop management	• Higher seed rate • No seed treatment with bio fertilizer • No INM	-	-	• Integrated crop management in Groundnut	• ICM in Groundnut	• Group discussion • Method demonstration • Field visits • Trainings	
Banana	• Integrated nutrient management	• Lower bunch weight • Lower yields	Enhancement of bunch size in Banana variety – Yalakki	-	-	• ICM in Banana	• Training • Demonstration • Field day	• Banana special
Coconut	• Integrated crop management	• Mite incidence • CBHC incidence • Poor quality nuts • Dropping of immature nuts	Assessment of coconut nutritional tonic to strengthen coconut palms.	-	-	• ICM in Coconut	• Training • Method Demonstration • Field day	
Bengalgram	• IPDM	• Wilt, root rot and pod borer	-	-	• IPDM in Bengalgram	• IPDM in Bengalgram	• Training • Seminar • Film shows • Method demonstration	

Tomato	• Integrated crop management	• Poor quality Fruit cracking & splitting Flower drop Low yield Late blight			• Integrated crop management in tomato	• Improved production technologies in tomato.	• Group discussion • Method demonstration • Field visits • Trainings	
Banana	• Integrated nutrient management	• Lesser bunch weight due to improper micro nutrient management			• Foliar application of Banana special to increase bunch weight in Banana.	• Foliar sprays to banana boon or bane • Role of banana special in banana production	• Group discussion • Method demonstration • Field visits • Trainings	Banana special
French Bean	• Integrated crop management	• Lower productivity due to use of local varieties			• Popularization of French bean variety Arka Suvida	• Improved production technologies in French bean	• Group discussion • Method demonstration • Field visits • Trainings	
Mango	• Integrated crop management	• Flower drop • Dropping of immature fruits • Lower productivity			• Foliar application of 'Mango special' to increase productivity in Mango •	• Integrated crop management on Mango	• Group discussion • Method demonstration • Field visits • Trainings	
Rice	• Integrated crop management	• Improper nutrient management Improper water management • Incidence of blast	-	-	• Integrated crop management in Rice	• Role of micro nutrient in rice • Role of bio fertilizer in rice • IPM	• Group discussion • Method demonstration • Field visit • Training • Field day	
Mucuna	• Soil fertility	• Lack of soil moisture & fertility in arecanut plots • Lack of knowledge on inter cropping importance in arecanut plots	Assessment of mucuna as intercropping in arecanut			• Production technologies of mucuna • Role of intercrops in maintaining fertility & mixture in arecanut	• Group discussion • Method demonstration • Field visit • Training • Field day	Mucuna seeds

Arecanut	• Integrated pest and disease management	• Infloresence drying and inflorescence caterpillar • Hidimundige Roga • Snails			• Integrated management of Inflorescence drying and inflorescence caterpillar in areca nut • Integrated mgf of hidimundige in areca nut • Management of snails in areca nut	• IDM of infloresense drying , hidimundige and caterpillar in areca nut	• Seminar • Workshop • Training • Method demonstration	Trichoderma -30 Kg
Dairy cows	• Feeding	• Energy and protein and mineral deficiency	Effect of feeding Balanced cattle feed on milk production and reproductive performance	-	-	-	• Method • Demonstration	• Cattle feed and ASMM
	• Milk production	• Unhygienic milk	-	-	• Production of clean and quality milk	CMP	• Demonstration	• Saaf kit cattle feed ASSM
Fodder cultivation	• Feeding	• Fodder scarcity and palatability problem	-	-	• Production of DHN-6 fodder for better yield and performance in dairy animals		• Seminar • workshop	• DHN-6 cuttings
Sheep	• Feeding	• Lower body weight gain	-	-	• Balanced feeding in sheep		• Seminar	• Concentration and ASMM
Fishery	• Integrated fish culture	• No pond aquaculture • No efforts are made by farmers to realize the fisheries			• Organic rice cum fish culture technology	• Integrated fish culture technology in rice cum fish production system • Feeding in fish culture for better economics	• Group discussion • Field visits • Method demonstrations • Field days	• Food fish produced domestic market
Fishery	• Fish seedlings production	• No availability of good quality (biger size) fish seeds at appropriate time stocking.			• Advanced fish fingerlings *of catla catla* production technology	• Pond management in fish fingerlings production • Health management in fish seed rearing system	• Group discussion • Field visits • Method demonstrations • Field days	• Advanced fish fingerlings for farmers with farm ponds

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

S. No	Particulars of intervention	Target number / Quantity
01	**On Farm Trial**	07
02	**Front Line Demonstration**	23
03	**Training Programmes**	
	Farmers and farm women	61
	Rural Youth	09
	Extension personnel	05
	Sponsored programmes	40
	Vocational Programmes	04
04	**Extension Programmes**	
	Field Day	30
	Kisan Mela	01
	Kisan Ghosthi	01
	Exhibition	01
	Film Show	60
	Method Demonstrations	40
	Seminars	05
	Workshop	07
	Group meetings	20
	Lectures delivered	50
	Newspaper coverage	50
	Radio coverage	02
	TV coverage	04
	Radio Programmes	14
	TV Programmes	09
	Publications in ICAR or other journals	05
	Popular articles	12
	Extension Literature	10
	Advisory Services	200
	Scientific visit to farmers field	90
	Farmers visit to KVK	600
	Diagnostic visits	20
	Field visits	75
	Exposure visits	05
	Ex-trainees meet	01

04	Agriculture Camps	03
	Soil health Camp	01
	Animal Health Camp	02
	Soil test campaigns	01
	Farm Science Club Conveners meet	01
	Self Help Group Conveners meetings	01
	Special Day celebrations	07
	Awareness campaigns	02
	PRA	01
05	**Production and supply of seed materials**	
	i) Cereals	60 Qt
	ii) Pulses	10 Qt
	Production and supply of Planting materials	
	Fruits	5000 Nos
	Vegetables	1000 Nos
	Ornamental crops	1000 Nos
	Plantation crops	5000 Nos
	Others – 1. Azolla 2. DHN – 6 Fodder 3. Milk	32-40 kg 50000 cuttings 8000 liters
	Production and supply of bio-products	
	Bio agents (Trichoderma)	200 kg
	Production and supply of livestock material	
	Fisheries (Ornamental fishes)	5000 No.s
06	**Number of soil samples to be analyzed**	500 Nos
07	**Number of water samples to be analyzed**	200 Nos

4 Plan of Technology Assessment and Refinement for 2011-12

Assessment -1

a. **Title of Technology Assessed : Weed management in Maize - Kharif**

b. No. of Trials : 05

c. Problem Definition : Weeds are becoming problem in maize as the crop stage advances. Farmer usually go for repetitive intercultivation and hand weeding for weed management. Spraying of recommended pre emergent herbicides provides control measures during early stage of the crop growth. As the crop stage advances, it is difficult to carry out interculture operations in Maize in addition to non availability of labours at appropriate time results in yield decline

d. Production system and thematic area: Rainfed and IWM

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. kg	Unit Cost Rs./kg	Total Cost (Rs.)
1. (Farmer's practice)	Hand weeding and intercultivation operations (15 & 30 DAS)	02	-	-	-	-	Nil			
2. Recommended Practices-1	Pre- emergent application of atrazine-50 WP (2.5 kg/ha) or Pendimethalin 30 EC (2.5 litre)	02	2006	UAS Bengaluru	• Plant height • No. of seed/crop • Yield	Weed density	Atrazine 50 WP	5 kg	350-00	1750-00
3. Recommend practices -2	Pre-emergent application of Atrazine- 50WP @ 1.25 kg a.i./ha at 0-3 DAS and post emergent application of2,.4-D Sodium salt 80/WP @ 0.5 kg a.i./ha at 30DAS	02	2009-10	AICRP on weed control UAS Bengaluru	• Plant height • No. of seed/crop • Yield • No. of weeds /m^2	Weed density	Atrazine 50 WP and of2,.4-D Sodium salt 80/WP	2.5 kg 1 kg	345-00 387-00	863-00 387-00
		06								**3000-00**

f. Cost per trial in Rs. 300/-

g. Total cost for the assessment in Rs. 3000/-

Assessment -2

a. Title of Technology Assessed : Revival of betel vine gardens using gall wasp tolerant *erythrina* sp standards

b. No. of Trials : 10

c. Problem Definition : Higher incidence of Gall wasp to Betelvine standards resulting in crop loss.

d. Production system and thematic area: Irrigated and Integrated Pest 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. kg	Unit Cost Rs./kg	Total Cost (Rs.)
1. (Farmer's practice)	Use of susceptible erythrina standards to establish Betel vine gardens	0.5	--	Farmers practice	• % incidence of gall wasp	--				
2. Recommended Practices-1	Use of alternate standards (Borle munda, Drumstick and Sesbania	0.5	--	University of Agricultural Sciences		--	Drumstick standards	2000	10.00	20000-00
3. Recommend practices -2	Use of Gall wasp tolerant erythrina sp standards	0.5	--	University of Agricultural Sciences		--	Erythrina standards	2000	6.00	12000-00
		1.5								**32000-00**

f. Cost per trial in Rs. 6400/-

g. Total cost for the assessment in Rs. 3000/-

Assessment -3

a. Title of Technology Assessed : **Performance of Hybrid Brinjal (Arka anand) with wider spacing**

b. No. of Trials: 10

c Problem Definition : lower yield due to high density of plant population

d Production system and thematic area: ICM in Brinjal

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.)
Option 1: Farmers practice	70 X 30 cm 90 X 30 cm	02			Yield	-	-Nil-			
Option 2	75 X 60 cm	02		UAS Bangalore	Yield	-	-	-	-	-
Option 3	120 X 60 cm	02		IIHR Bangalore	Yield	-	Seeds	10 g	1000	10000-00
		06								**10000-00**

f. Cost per trial in Rs.1000

g. Total cost for the assessment in Rs.10000

Assessment -4

a. **Title of Technology Assessed : Enhancement of bunch size in Banana variety- Yalakki- kharif**

b. No. of Trials : 05

c Problem Definition : Lower productivity in Banana is due to reduced bunch size which is due to poor nutrient application.

d Production system and thematic area: Irrigated, Integrated nutrient 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)	2 split application of NPK (150:75:150g/plant) at planting and 3 months after planting	0.5	-	-	• Weight of the bunch • No of fingers in the bunch	• Yield				
2. Recommended Practices-1	Recommended dose of NPK (180:108:225 g NPK / plant)	0.5		UAS,B			MOP	94kg	6	564-00
3. Recommend practices -2	Recommended dose of NPK (180:108:225 g/plant) in 4 splits + FYM (10 ton / ha) Bunch feeding with N & K Banana special at 6 doses	0.5		CHES, Hirehalli			Urea(5g) SOP(5g) Banana Special	1.0 kg 3.0 kg 5 kg	10-00 150-00 150-00	10-00 150-00 1000-00
		1.5								**1474-00**

f. Cost per trial in Rs1474/-

g. Total cost for the assessment in Rs. 7370-00

Assessment -5

a. **Title of Technology Assessed : Assessment of mucuna as intercropping in arecanut- kharif**

b. No. of Trials : 04

C Problem Definition **:** Arecanut is the major plantation crop in Davanagere district. The major problem identified is low soil fertility, higher weed infestation leading to lower income. In order to provide higher returns and maintaining soil fertility, mucuna and other pulses are grown as intercrops in arecanut.

d Production system and thematic area: Irrigated and intercropping, weed management and soil fertility 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)	Arecanut	02	-	Farmers practice	Yield	B : C ratio	-	-	-	-
2. Technology options -1	Arecanut + Cowpea	02	-	UAS(B)	Yield	B : C ratio	Cowpea seeds	40 kg	80-00	3200-00
3. Technology options -1	Arecanut + Velvet beans (Mucuna Pruriens)	02	-	IIHR, (B)	Yield	B : C ratio	Mucuna seeds	30 kg	90-00	2700-00
		06					**Total**			**5900-00**

f. Cost per trial in Rs 590/-

g. Total cost for the assessment in Rs. 5900/-

Assessment -6

a. **Title of Technology Assessed : Assessment of Coconut nutritional tonic to strengthen Cocount palms - Kharif**

b. No. of Trials : 05

c Problem Definition **:** Higher incidence of pest and diseases due to lack of resistance in Coconut palms

d Production system and thematic area: Irrigated / Rainfed

e Details of the technologies with budget for critical inputs

Technology Options	Details of the technology assessed	No of palms.	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)	• Application of complex fertilizers (17:17:17 @ 150 g/palms)	50			• No. of nuts /palm • Percent incidence of mits and CBHC	Healthy fronds	Nil			
2. Technology options -1	• FYM-50 kg/palm/year 500:320:1200 g NPK/palm/year • 5 kg neem cake/palm/year 50 g Borax/palm/year • Econeem plus 1 % (10ml/palm, 3 times per year)	50		UAS, B	• No. of nuts /palm • Percent incidence of mits and CBHC	Healthy fronds	Urea SSP Muriate of potash Borax Neem cake Econeem plus	55 kg 100 kg 100 kg 1.25 kg 250 kg 1.3 L	5-00 5-00 6-00 300-00 10-00 700-00	275-00 500-00 600-00 375-00 2500-00 1050-00
3. Technology options -1		50		TNAU, Coimbatore	• No. of nuts /palm • Percent incidence of mits and CBHC	Healthy fronds	Urea SSP Muriate of potash Borax Neem cake TNAU Coconut tonic	55 kg 100 kg 100 kg 1.25 kg 250 kg 8 L	5-00 5-00 6-00 300-00 10-00 375-00	275-00 500-00 600-00 375-00 2500-00 3000-00
		150					**Total**			**7250-00**

f. Cost per trial in Rs. 1450-00 g. Total cost for the assessment in Rs- 7250-00

Assessment -7

a. Title of Technology Assessed : Assessment of Neem leaves + Zinger power for the management of pulse beetle at household level
b. No. of Trials: 05
c. Problem Definition : Loss in stored grains (Greengram, Fieldbean, Redgram, Cowpea etc.) of pulses due to incidence of pulse beetle.
d. Production system and thematic area: Household pest
a. 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.)
Option 1 (Farmers practice)	Farmers are using boric powder for storage of pulses.	-	-	-		-	- Nil -			
Option 2	Pulses storage in bins using sand layers	-	-	UAS (B)		-	-	-	-	-
Option 3	Preparation of baits from a mixture of Zinger powder 30 gms and Neem leaves 50 gms per kg of pulses	-	-	Centre for Indian knowledge systems (CIKS), Chennai	% incidence of pulse beetle	-	Storage bins 15 kgcapacity @ 2 per expt.	10	200	2000-00

f. Cost per trial in Rs.200

g. Total cost for the assessment in Rs.2000

5. Frontline Demonstrations

1. Maize – Kharif

Category	Problem identified	Thematic area	Current status of yield q/ ha			Technology to be demonstrated
			District average	Potential	Farmers	
Maize NAH-1137 NAH-2049	• Improper nutrient management (No potash application) • Poor soil fertility with sole cropping. • No Micronutrient application ($ZnSO_4$) • Weed menace	Integrated crop management	41	100	60-65	Integrated crop management practices in hybrid maize (NAH-2049 and NAH -1137) Intercropping with Redgram BRG-1

Source	Year of release	Local check	Area in ha	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
					Name & Quantity kg/ha	Cost (Rs./ha)	
UAS (B)	2008	Private hybrid	20	50	Seeds – 15 kg $ZnSO_4$- 10 kg Intercropping with Redgram -BRG-1 – 4 kg	900-00 450-00 400-00	**35,000-00**
					Total	**1750-00**	**35,000-00**

2. Rice - Kharif

Category	Problem identified	Thematic area	Current status of yield q/ ha			Technology to be demonstrated
			District average	Potential	Farmers	
Rice	• No seed/ seedling treatment with biofertilizers • Less Zinc sulphate application	Integrated crop Management	25 q/ ha	40-46 q/ ha	22 q/ ha	Integrated crop management in rice

Source	Year of release	Local check	Area in ha	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
					Name & Quantity (kg/ha)	**Cost (Rs./ha)**	
UAS (D)	-	Farmers practice	15	35	Azospirillum -2.4 kg Zinc sulphate -20 kg Tricyclazole- 300 g	100-00 900-00 700-00	25,500-00
					Total	**1700-00**	**25,500-00**

3. Ragi - Kharif

Category	Problem identified	Thematic area	Current status of yield q/ ha			Technology to be demonstrated
			District average	Potential	Farmers	
Ragi	• Low yield and poor quality of straw. • Non availability of seeds / variety for the proper time of sowing	ICM	13	15-20	10	• High yielding variety KMR-301 • Seed treatment with Azospirillum 400 g. • Application of (ZnSO4) – Micronutrient • Intercropping

Source	Year of release	Local check	Area in ha	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
					Name & Quantity (kg/ha)	**Cost (Rs./ha)**	
UAS, Bangalore	2010	Siddanur local	10	25	Seeds – (12 kg) $ZnSO_4$ – (10 kg) Azospirillum – (500 gram)	300-00 450-00 100-00	8500-00
					Total	**850-00**	**8500-00**

4. Navane - Kharif

Category	Problem identified	Thematic area	Current status of yield q/ ha			Technology to be demonstrated
			District average	Potential	Farmers	
Navane	• Low yield • Higher seed rate and poor quality of seeds	ICM	7-8	15	5	• High yield variety STA-326 • Seed treatment with Azospirillum - 500 g /ha

Source	Year of release	Local check	Area in ha	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
					Name & Quantity (kg/ha)	Cost (Rs./ha)	
UAS, Bangalore	2007	Local	05	12	Seeds – (10 kg) Azospirillum – (500 gram)	200-00 100-00	8000-00
					Total	**300-00**	**1500-00**

5. Cotton - Kharif

Category	Problem identified	Thematic area	Current status of yield q/ ha			Technology to be demonstrated
			District average	Potential	Farmers	
Cotton	• Improper nutrient management • No proper spacing higher seed rate • Sucking pests • Leaf reddening square drying • No micronutrient and macronutrients sprays. • No intercropping	ICM	7	20-25	20	• Spraying of Imidacloprid against sucking pest • Wider raw spacing 120 x 120 cm • Trap crop Bhendi (25:1) • Spraying of planofix 5 ml / 15 ltr of water for flower retention. • Micronutrient mixture (Zn+Mg + Cu) • Spraying of potassium nitrate. (KNO_3 13:0:45) • Spraying of Neem based pesticide

Source	Year of release	Local check	Area in ha	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
					Name & Quantity (kg/ha)	Cost (Rs./ha)	
UAS Dharwad & Bangalore	2009	Non ICM in Cotton	20	50	Imidacloprid – 200 ml	350-00	35000-00
					Bhendi seeds- 1 kg	150-00	
					Micronutrient mixture – 2 kg	150-00	
					Potassium nitrate (KNO_3) – 5 kg	650-00	
					Planofix – 100 ml	150-00	
					Neem – 1 liter	300-00	
					Total	**1750-00**	**35,000-00**

6. Redgram - Kharif

Category	Problem identified	Thematic area	Current status of yield q/ ha			Technology to be demonstrated
			District average	Potential	Farmers	
Redgram	• No seed treatment • Pod borer and wilt • Use of local verities	Integrated crop management	2	10-12	4	• Use of HYV • Seed treatment with biofertilizers • Installation of pheremone traps • Use of NPV and neem oil • Spraying with recommended chemicals with correct dosage and time.

Source	Year of release	Local check	Area in ha	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
					Name & Quantity (kg/ha)	**Cost (Rs./ha)**	
UAS Bangalore	-	Private hybride	05	10	Seeds (BRG 1/ 2) – 15 kg $ZnSO_4$- 15 kg Trichoderma -1 Kg Profenophos-I L Quinolphos-1.5 L	1350-00 675-00 100-00 450-00 375-00	14750-00
					Total	**2950-00**	**14,750-00**

7. Bengalgram - Rabi

Category	Problem identified	Thematic area	Current status of yield q/ ha			Technology to be demonstrated
			District average	Potential	Farmers	
Bengalgram	• No seed treatment with trichoderma • Incidence of wilt, root rot & pod borer	IPDM	5.5	8-10	4.8	• Use of trap crop coriander • Seed treatment & soil application with trichoderma • 1st spray with profenophos (2 ml/lt) and 2nd with chloropyriphos (2 ml/lt)

Source	Year of release	Local check	Area in ha	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
					Name & Quantity (kg/ha)	**Cost (Rs./ha)**	
UAS (B)		A-1	05	12	Coriander -2kg Trichoderma-5kg Profenophos -1l Chloropyriphos - 2 lt	200-00 375-00 450-00 500-00	7625-00
					Total	**1525-00**	**7,625-00**

8. Sunflower - Kharif

Category	Problem identified	Thematic area	Current status of yield q/ ha			Technology to be demonstrated
			District average	Potential	Farmers	
Sunflower	• No seed treatment • Bud necrosis, powdery mildew, root rot and black headed caterpillar	ICM	5-6	10-12	4-8	• Use of hybrid KBSH-53 • Spray with imidacloprid (0.5 ml/l) • Use of trichoderma – 4 g/kg of seed

Source	Year of release	Local check	Area in ha	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
					Name & Quantity (kg/ha)	Cost (Rs./ha)	
UAS (B)	2007	KBSH-1	05	12	KBSH-53 – 5 kg Imidacloprid – 300 ml Trichoderma- 4 kg	1000-00 600-00 300-00	9,500-00
					Total	**1900-00**	**9,500-00**

9. Groundnut - Kharif

Category	Problem identified	Thematic area	Current status of yield q/ ha			Technology to be demonstrated
			District average	Potential	Farmers	
Groundnut	• No seed treatment with biofertilizers • Less application of gypsum (22kg/ha) • Higher seed tare • No INM	High yielding variety & ICM practices	6.5	8-10	5-6	• Variety KCG-2/ GPBD-4 (105-101 days) • Seed treatment with trichoderma (4gm/kg) & rhizobium (400gm) • Gypsum application

Source	Year of release	Local check	Area in ha	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
					Name & Quantity (kg/ha)	**Cost (Rs./ha)**	
UAS Bangalore	2009	TMV-2	02	05	KCG-2/ GPBD-4 -100kg Trichoderma-500g Gypsum -500kg	4000-00 100-00 1000-00	10,200-00
					Total	5100-00	**10,200-00**

10. French bean - Kharif

Category	Problem identified	Thematic area	Current status of yield t/ha			Technology to be demonstrated
			District average	Potential	Farmers	
French bean	• Use of local low yielding varieties • Yellow vein mosaic incidence	Integrated crop management	11.8	20	08	• Popularization of HYV Arka Suvida (Stringless)

Source	Year of release	Local check	Area in ha	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
					Name & Quantity (kg/ha)	Cost (Rs./ha)	
IIHR, Bengaluru	-	Siddanuru	01	10	Arka Suvida seeds - 65 kg	19500-00	19500-00
					Total	**19500-00**	**19500-00**

11. Tomato - Kharif

Category	Problem identified	Thematic area	Current status of yield t/ ha			Technology to be demonstrated
			District average	Potential	Farmers	
Tomato	• Fruit cracking • Improper or no micro nutrient management • Late blight incidence	Integrated crop management	25	30-40	20-25	• Soil application of trichoderma, pseudomonas and PSB • Spray with mancozeb, fosetyl AL and dimethomorph • Spray with vegetable special .

Source	Year of release	Local check	Area in ha	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
					Name & Quantity (kg/ha)	Cost (Rs./ha)	
IIHR, Hesaraghatta	-	Farmers practice	02	10	Trichoderma- 1 kg Pseudomonas – 1 kg PSB- 1 kg Mancozeb – 2 kg Fosetyl AL- 250 g Dimethomorph – 400 g Vegetable special – 15 kg	75-00 100-00 50-00 900-00 500-00 1200-00 2250-00	10,150-00
					Total	**5075-00**	**10,150-00**

12. Banana - Kharif

Category	Problem identified	Thematic area	Current status of yield q/ ha			Technology to be demonstrated
			District average	Potential	Farmers	
Banana	• Lesser bunch weight due to micronutrient deficiency • Poor nutrient management	Integrated nutrient management	277 q/ ha	385 q/ ha	185 q/ ha	• Foliar application of Banana special for increased in bunch weight in Banana. • Application of RDF 2, 4 and 6 month • 6 Foliar spray 5678 months bunch emergency and one month after bunch emergency

Source	Year of release	Local check	Area in	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
					Name & Quantity (kg/ha)	Cost (Rs./ha)	
IIHR Bangalore	-	Farmers practice	04	10	Banana Special 38 kg	5625-00	22,500-00
					Total	**5625-00**	**22,500-00**

13. Mango - Rabi

Category	Problem identified	Thematic area	Current status of yield t/ ha			Technology to be demonstrated
			District average	Potential	Farmers	
Mango	• Higher flower drop • Poor fruit set • Micronutrient deficiency	Micro nutrient management	10.81	1.5	6.5	• Foliar application of 'Mango special' to increase productivity in Mango

Source	Year of release	Local check	Area in ha	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
					Name & Quantity (kg/ha)	Cost Rs./ha	
IIHR Bengaluru	-	Farmers practice	2.0	05	Mango special – 40 kg	3000-00	6000-00
						3000-00	**6000-00**

14. Arecanut – Kharif

Category	Problem identified	Thematic area	Current status of yield q/ ha			Technology to be demonstrated
			District average	Potential	Farmers	
Arecanut	• Incidence of hidimudige • (5-25 % reduced yield) • Improper management of arecanut gardens	Integrated disease management	3	10	2-4	• For every two rows one row of 2.5-3 feet drainage • Loosening of the soil around base of the plant • Adoption of drip / sprinkler irrigation • Avoid repeated cultivation • Based on soil test result recommended dose of fertilizer (100:40:140 gm NPK/plant /yr) • Use of Trichoderma • Borax application based on soil test results (20 g/ effected plants) • Enrichment of soil with cover crop mucuna. • Spraying with dimethoate (2 ml/ lt) and blitox (3 gm / lt)

Source	Year of release	Local check	Area in ha	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
					Name & Quantity (kg/ha)	Cost (Rs./ha)	
AICRP on arecanut Shimoga	-	Theerthahalli local	02	10	MOP -320 kg Borax -2.0 kg Trichoderma – 25 kg Mucuna – 10 kg Blitox – 1.5 kg Dimethoate – 1.5 lt	1600-00 200-00 2500-00 600-00 700-00 500-00	12,200-00
					Total	**6100-00**	**12,200-00**

15. Arecanut - Kharif

Category	Problem identified	Thematic area	Current status of yield q/ ha			Technology to be demonstrated
			District average	Potential	Farmers	
Arecanut	• Inflorescence dieback and inflorescence eating caterpillar	IPDM	3	10	2-4	• Removal of affected inflorescence and destroy it. • Opening of ripened inflorescence by using sickle and spray with chlorpyriphos (2 ml / lt). • Sparing with mancozeb (2.5 g / lt) during inflorescence opening and 20-25 days later second spray given.

Source	Year of release	Local check	Area in ha	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
					Name & Quantity (kg/ha)	**Cost (Rs./ha)**	
AICRP shimoga	-	Thirthahalli local	4 .0	10	Chlorpyriphos 2 lt Mancozeb 3kg	500-00 1200-00	6,800-00
					Total	**1700-00**	**6,800-00**

16. Arecanut - Kharif

Category	Problem identified	Thematic area	Current status of yield q/ ha			Technology to be demonstrated
			District average	Potential	Farmers	
Arecanut	• Snail problem	IPM	3	10	2-4	• Use of rice/ wheat bran + Jaggary mixed with methomyl 40 SP • Next day after death of snails by consuming poisoned bait. Add cowdung slurry/ water / soil to make in active of poison bait

Source	Year of release	Local check	Area in ha	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
					Name & Quantity(kg/ha)	**Cost (Rs./ha)**	
AICRP shimoga	-	Thirthahalli local	05	12	Rice/wheat bran – 25 kg Jaggary – 5 kg Methomyl- 0.25 kg	375-00 150-00 300-00	4125-00
					Total	**825-00**	**4125-00**

17. Fisheries – Organic Rice cum Fish culture technology

Category	Problem identified	Thematic area	Current status of yield q/ ha /			Technology to be demonstrated
			District average	Potential	Farmers	
Fisheries	• No pond aquaculture • No efforts are made by the farmers to realize fisheries potential in the district • Productivity in unit paddy area is not tapped completely • Crop diversification and integration are not getting promoted amongst farmers	Integrated fish farming	15 q/ ha	25	12	Ridge – plot – trench rice cum fish culture system- Paddy cum fish culture in paddy growing plots (Where no or less pesticides are used)

Source	Year of release	Local check	No. of units	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost (for 3 demos)
					Name & Quantity/ (Pond)	Cost (Rs.) /pond	
CIFA, Bhuvaneshwar		Paddy production without fish Culture	3 ponds	3 farmers	• Fish seeds – 500 no. / 100 m^2 • GOC - 50 kg / pond • RB - 50 kg / pond • Cover net & accessories (poles/ropes) – 50 m^2 / pond • VM mix - 5 kg / pond • Lime - 20 kg / pond • Fish gill net - 1 no.	500-00 1250-00 700-00 3500-00 500-00 200-00 1000-00	22,950-00
					Total	**7650-00**	**22,950-00**

18. Advance fingerlings of *Catla Catla* production technology

Category	Problem identified	Thematic area	Current status of yield q/ ha /			Technology to be demonstrated
			District average	Potential	Farmers	
Fisheries	• No availability of good quality (bigger size) fish seeds at appropriate time of stocking.	Quality seed material production	15	25	12	Production of advanced fish fingerlings of catla catla in earthen ponds

Source	Year of release	Local check	No. of units	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost (for 2 demos) (Rs.)
					Name & Quantity/ (Pond)	Cost (Rs) /pond	
UAS, Bangalore			2 ponds (1000 m^2 each)	2	• Fish seeds – 45000 / pond (0.25 acre) • GOC - 1 q / pond • RB - 1 q / pond • VM mix - 10 kg / pond • Lime - 100 kg / pond • Fish drag net- 3 no. • Cover net and accessories – 3 pieces	11250-00 2500-00 1500-00 1000-00 1000-00 1500-00 5000-00	23,750-00
					Total	**23,750-00**	**23,750-00**

19. Production of clean and quality milk from dairy animals

Category	Problem identified	Thematic area	Current status of yield litres/unit			Technology to be demonstrated
			District average	Potential	Farmers	
Dairy Cows	• Un hygienic and Low quality milk production among dairy farmers	Clean milk production	-	-	-	Production of clean and quality milk from dairy animals

Source	Year of release	Local check	No. of animals	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations
					Name & Quantity (kg/ha) or number/unit	Cost Rs./unit	
UAS, Dharwad	2006	Farmers milking method	5 cows	5 farmers	Cattle feed - 100 kg	1200-00	1200-00
					ASMM - 2 kg	220-00	220-00
					Saaf kit bottle - 200 ml	80-00	80-00
					Total	**1500-00**	**7,500-00**

20. Production technology of DHN – 6 Fodder variety - Kharif

Category	Problem identified	Thematic area	Current status of yield q/ ha / number / litres/unit / kg/unit			Technology to be demonstrated
			District average	Potential	Farmers	
Fodder	• Rejection of Fodder – Co3 Napier due to high fiber and higher oxalic acid content	Balanced feeding	-	-	-	Production of DHN-6 fodder crop for better yield and performance

Source	Year of release	Local check	Area in ha	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations (Rs.)
					Name & Quantity (kg/ha) or number/unit	Cost Rs./unit	
IGFRI	2006	Feeding Co-3 Napier	0.5	5 (10 guntas each)	DHN - 6 cuttings Cuttings - 12500 no.s/demo	0-50/ cutting	6250-00
					Total		**6250-00**

21. Stall feeding in sheep

Category	Problem identified	Thematic area	Current status of yield kg			Technology to be demonstrated
			District average	Potential	Farmers	
Sheep	• Lower body weight gain in Bellary sheep	Balanced nutrition	24-25	30-32	20-22 kg	Balanced feeding in sheep (stall fed)

Source	Year of release	Local check	No. of animals	No. of demonstrations	Critical inputs to be provided per demonstrations		Total cost for all demonstrations Rs.
					Name & Quantity)	Cost Rs./unit	
UAS, Bangalore	2008	Normal grazing	10	2 (5 sheep)	Concentrates - 50 kg ASMM - 1 kg	600-00 110-00	**3550-00**
					Total	**710-00**	**3,550-00**

22. Enrichment of Fodder

Category	Problem identified	Thematic area	Current status of yield q/ ha / liters /unit / kg/unit			Technology to be demonstrated
			District average	Potential	Farmers	
Fodder	• Low nutrition's value	Enrichment of feeding stuffs	-	-	-	Enrichment of low quality feeding stuffs with NPN substances for better utilization among cattle

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 Rs.
					Name & Quantity (kg/ha) or number/unit	**Cost Rs./unit**	
UAS, Bangalore	1980	Feeding paddy straw as such	05	5	Urea 16 kg per cow **16 kg x 6 = 96/-**	96-00	960-00
					Total		**960-00**

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
Maize	• Stem borer and Downey mildew • Intercropping • Improper nutrient management • No micronutrient application	INM and ICM can be done to active higher production	• Maintaining optimum plant population to achieve maximum yield. • Seed treatment and weedicide usage in maize • Value addition for maize • Micronutrient management	07	• Seed dibbling • Fertilizer management • Top dressing • Spraying of macro nutrient application • Product prepared
Paddy	• No micronutrient application • No biofertilizers	ICM	• Integrated Crop Management practices in paddy	02	• Seed treatment with carbonizing time and method of spraying
Ragi Navane	• Improper nutrient management • No micronutrients	Sustainable income through higher production and productivity	• Application of micronutrient (FeSO4) in enhancing ragi • Seed treatment with bio fertilizers. • Importance of Ragi straw in dairy cattle • Value added products	05	• Seed treatment • Basal application of potash • 2 % Urea treatment for Ragi straw to increase millet yield • Enriched Ragimalt and biscuits preparation.
Cotton	• Improper Spacing and higher seed rate • Leaf reddening, square drying • No micronutrient and macronutrient sprays • Sucking pests • Mealy bugs	Integrated crop management	• Importance of traps crops in reducing pest land • Role of growth regulator planofix and micronutrient to reduce flower and square drop • Use of bio fertilizer seed treatment.	05	• Seed dibbling • Timely application of fertilizers • Spraying of pesticides at correct dosage • Spraying of micronutrients.
Sunflower, Groundnut	• No seed treatment with biofertilizers • Less application of gypsum (22kg/ha) • Higher seed tare • No INM	Integrated crop management	• Maintaining optimum plant population to achieve maximum yield. • Seed treatment with bio fertilizers • Importance of Micronutrient	10	• Seed dibbling in sunflower • Seed treatment • Sowing in seed cum fertilizer drill

Dry land Horticulture	• Heavy drought in dry areas • Low fertility • Erratic rainfall	Alternate land use system	• Dry land horticulture	05	• Water conservation techniques • Count our ploughing • High density planting
Coconut	• Poor quality nuts • Dropping of nuts	Integrated crop management	• Integrated crop management in coconut	05	• Selection of seed nuts • Application of fertilizers in Basins • Root feeding of chemicals.
Vegetable crops	• Poor quality produce • Micronutrient deficiency	Integrated crop management	• Recent trends in production technology of vegetable crops	05	• Quality seedlings production • Foliar application of micronutrients • Bio control measures
Banana	• Lower bunch weight • Sigatoka leaf spot	Integrated nutrient management	• INM in Banana • IPDM in Banana	05	• Foliar application of Banana special • Matooking in Banana • Sucker treatment
Mango	• Fruit drop • Lower productivity	Integrated crop management	• ICM in Mango	05	• Foliar application of Mango special
Fisheries	• Reduced productively in paddy blocks	Integrated fish farming	• Concurrent rice cum fish culture system	01	• Special designing of ponds for fish cum paddy production • Fish culture technologies and management
Fisheries	• No good quality and size fish fingerlings available at the right time	Quality seed production	• Production of advanced fish fingerlings of Catla Catla in ponds	01	• Rearing few of fishes to fingerlings with special care
Dairy – Cows	• Lower production • Anoestrus problem	Feeding Feeding	• Balanced nutrition in Dairy cattle • Alleviating Nutritional Anoestrus in cattle through balanced feeding	02 02	• Preparation of homemade feeds • Computation of ration
Sheep production	• Lower body weight gain	Feeding	• Stall feeding in sheep for better yields	02	• Feeds preparation
Tomato	• Early and late blight	IDM	• Effective management methods for early and late blight in tomato	02	• Detection of symptoms on planting enrichment of vermin compost with trichoderma •

Arecanut	• Hidimundige • Inflorescence drying Inflorescence caterpillar snails	IPDM	• IPDM methods for Hidimundage, inflorescence drying inflorescence caterpillar and snails	04	• Roof feeding and soil drenching techniques time and method of spraying
Arecanut Intercropping with legumes	• Poor soil fertility • Weed menace • Poor soil moisture	Intercropping	• Methods of improving soil fertility in plantations • Production technologies of velvet beans and cowpea	05	• Seed dibbling • Selection of mother palm • Green manuring mulching
Bengalgram	• Pod borer and wilt	IPM	• IPDM in bengalgram	02	• Seed treatment • Trap installation
Pulses	• Pulse beetle	Pest management	• Pulse beetle management	01	• Method demonstration on mixing with neem leaves and ginger powder
Brinjal	• Close spacing • Fruit borer	ICM	• Improved production technology in brinjal	02	• Seed dibbling in poretrays • Spacing (Transplanting)

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
Vegetables	Availability of quality seedlings	Nursery techniques in vegetable crops	Production of quality seedling in vegetable crops	01 (07 days)	• Pore tray nursery • Use of mulching sheet
Nutritional garden	Poor nutrient status in available vegetables in market	Balance nutrition	Kitchen gardening	02 (05 days)	• Layout of kitchen garden • Raised seed bed
Fisheries	No awareness on fish culture as a profitable enterprise	Aquaculture	Inland pond aquaculture as a profitable enterprise for small and marginal farmers	01	• Fish culture practices and management
Extension education	Reduced interest in farming	Agriculture for livelihood	Rejuvenation of farming inter4est among rural youth – of Davanagere district	01 (4 days)	• To find farming as an attractive livelihood option.
Fisheries	Non availability of adequate supply of fish seeds	Quality seed production	Fish seed production in Indian major carps using profitable carp hatchery system	01	• Breeding of carps
Fodder production	Scarcity of fodder	Feeding	Production techniques of high yielding fodder crops	02	• Preparation of planting material and treatment
Sheep production	Lower body weight gain	Feeding	Advantages of stall feeding in sheep	02	• Preparation of balanced feeds, feeding methods
Paddy	Blast ,smut BLB stem borer	IPDM	IPDM practices in paddy	02	• Seed transferred with chemicals. • Time and method of spraying
Arecanut	Hidimundige Inflorescence drying Inflorescence caterpillar	IPDM	IPDM practices in arecanut	02	• Roof feeding and soil drenching techniques.
			Total No. of courses	**14**	

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

Crop / Enterprise	Organization	Identified Thrust Area	Training Course Title	No. of Courses	Skill to be transferred
Maize	Department of Agriculture	ICM	• Recent advance in production technology of maize for higher production and productivity	02	• Seed treatment • Fertilizer calculation
Cotton	Department of Agriculture	ICM	• Recent advance in production technology in Bt Cotton under Rainfed condition	02	• Seed treatment • Weed management through mechanization • Spray solution preparation.
Arecanut	KSDH, Davanagere	ICM	• Integrated management of mites and CBHC in coconut	02	• Root feeding of coconut tonic • Release of bio agent
Fisheries	Government line department Viz., Agriculture, Horticulture, Watershed, Veterinary	Fisheries and aquaculture	• Fisheries for crop diversification	01	• Fisheries as an important sector for food production besides agriculture and horticulture
Dairy – cows	Department of AH & VS, Davanagere	Breeding	• Tips for control of infertility problem in dairy cattle	01	• Identification of correct estrus symptom
Dairy – cows	Department of AH & VS, Davanagere	Feeding	• Azolla production and its use for economic feeding of livestock	01	• Production technology
Cereals pulses and oil seeds	KSDA, Davanagere	IPDM	• Recent advances in pest mgt for cereals pulses & oil seeds	02	• Identification and release of predators and parasitoids.
Horticulture crops (Arecanut, Coconut & Banana)	KSDH Davanagere	IPDM	• IPM measures in arecanut coconut and banana.	02	• Identification of symptoms method demonstration on of traps.
			Total No. of courses	**13**	

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

Crop / Enterprise	Identified Thrust Area	Training title*	No. of programmes and Duration (days)	Skill to be transferred
Vermicompost	• Soil fertility management • Recycling of crop wastes • Alternate measures for in organic fertilizers.	• Recent advances and technologies in vermicompost and earthworm production	01(10 days)	• Method of filling wastes • Enrichment of compost with bio fertilizers • Sieving • Earthworm handling and separation from vermicompost
Fruit crops	• Quality seedlings production	• Nursery techniques in fruit crops	01 (10 days)	• Grafting and budding fruits • Layering in fruit crops
Dairy- cows	• Feeding and Breeding	• Scientific dairy farming • Cultivation of high yielding varieties of fodder corps	02 (6 days) 02 (3 days)	• Compilation of return, feeds preparation, selection of animals milking methods • Ensilage hay making etc.
Bio organic	• Quality bio organic availability	• Mass production of different bio agent for crop usage	01 (07 days)	• Identification& release of predator & parasitoids
Soil Health Clinic	• Soil sampling • Soil testing • Recommendations	• Methods of soil sampling ,soil testing and Crop recommendations	01 (6 days)	• Sampling • Testing
		Total No. of courses	**08**	

6.5. Plan for sponsored training programme during 2011-12

Crop/ Enterprise	Identified Thrust Area	Organization	Training course title*	No. of Courses	Sponsoring Agency	Skill to be transferred
Kitchen Gardening	Balanced nutrition	District institute of education and technology	Kitchen gardening	05	Department of Public Instruction	• Layout of kitchen garden • Pore tray vegetable
Fisheries	Pond aquaculture	Department of watershed	Fish culture in farm ponds and other water holding structures	03	Department of watershed, ZP, Davanagere	• Fish culture techniques
Dairying	Hygienic milk production	TKVK	Clean milk production	20	SHIMUL	• Milking methods use of saaf kit
Dairying	Feeding	TKVK	Integrated dairy farming and vermicompost production	10	ZP, Davanagere	• Feed preparation milking methods, Vermiculture methods, use of UMMB.
Arecanut coconut Banana	IPDM	-	IPDM in arecanut, coconut & banana	02	Dept of Horticulture Davanagere	• Roof feeding method release of bio agents Diagnosis of symptoms
Vermicompost	• Soil fertility management • Recycling of crop wastes • Alternate measures for in organic fertilizers.	TKVK	Recent advances and technologies in vermicompost and earthworm production	02	ZP, Davanagere	• Method of filling wastes • Enrichment of compost with bio fertilizers • Sieving • Earthworm handling and separation from vermicompost
			Total No. of Courses	**42**		

7. Extension programmes planned for 2011-12

Month	Block & village	Extension programme*	Its relation to KVK activities	Expected category of participants	Remarks
1	2	3	4	5	6
May	Siddanur, Halebisleri Belavanur, Kurki Angodu Kodaganur, Harosagar Bomenahalli ,Budihal Anajigere Hoskate Taraganahalli Nerlige	Group meetings Seminars Selection of the farmers Identification of the fields for the demonstration.	FLDs implementation and trainings	Farmers, Farm women, Rural youth, Extension personal	--
June	Budihal Anajigere Siddanur, Halebisleri Anagavadi	Method demonstration of the seed treatment	FLD	- Farmers, Farm women, Rural youth, Extension personal	--.
June 5	Siddanur	World environment day	--	Farmers, farm women and school students.	--
July 10	Yalavatti	National fish farmers day celebration	--	Farmers	--
July	Mydur Budihal Anajigere Chikkanahalli, Kempanahalli Igur, Kandagal, Dhyamanahalli, RG Halli, Thogaleri Daginakatte Belliganudu Basavapatna	Method demonstration Animal Health Camp	OFT & FLD Trainings	Farmers, Farm women, Rural youth, Extension personal	On Azolla production and straw enrichment
August	FLD Villages	Field visit , diagnostic survey, method demonstration	FLD and OFT	Farmers, Farm women, Rural youth,	Identification of the pest and control measures,
September	Halebiselre, Belavanur, KUrki and siddanur	Workshop / Seminar/ Technology week / Exhibition	FLD and OFT	Farmers, Farm women, Rural youth, Extension personal	Field visits to KVK and exhibition of the technologies
October 16	Belavanur	World Food Day	Training	Farmers, Farm women, Rural youth, Extension personal	

October and November	Siddanur, Halebisleri Belavanur, Kurki , Kandagal, harosagar Bomenahalli ,Budihal Anajigere Hoskate Angodu Taraganahalli	Field day	Training , OFT and FLD	Farmers, Farm women, Rural youth, Extension personal	
December 4	Siddanur	Women in agriculture Day		Farmers, Farm women, Rural youth, Extension personal	
December	Anajigere, Budihal	Field Day	FLD	Farmers, Farm women, Rural youth, Extension personal	FLD cotton field day
December 23	Halebiseleri	Kissan Samman Diwas	--	Farmers, Farm women, Rural youth,	--
January and Feb.	Siddanur block, Halebisleri Block	Animal health camp	Training	Farmers, Farm women, Rural youth,	In collaboration with department of AH and VS, Davanagere
February 28	Anagodu block	National science day		Farmers, Farm women, Rural youth	
March 8	Davanagere block	International women's day		Farmers, Farm women, Rural youth	
March 22	Davanagere block	World water day		Students and farmers	

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	Leaf folder	: 1000 No.	• Recent advances in Hybrid maize production • Micro and macro nutrients in Bt Cotton
		: 1000 No.	• Recent trends in production technology of Arecanut
		: 1000 No.	• Nutritional garden
		: 1000 No.	• Role of micronutrients in enhancing productivity of Banana
		: 1000 No.	• Quality seedlings production in vegetable crops
		: 500 No	• Fish as food
		: 500 No.	• Fish cum rice culture system
		: 500 No.	• Production of advanced fish fingerlings of Catla Catla
		: 500 No.	• Mucuna as a magic green cover crop in all fields
		: 1000 No.	• Enrichment of low quality feeding stuffs
		: 500 No.	• Major sunflower and groundnuts diseases & their management
2.	Information Bulletin	: 1000 No.	• Production technology of coconut and Arecanut
		: 500 No.	• Integrated pest & disease management in arecanut
3.	Books	: 1000 No.	• Herbal Medicine
4.	Popular Article		• Fish as food
			• Importance and Inheritability of farming inIndia
			• National farming, need of the how
5	Kaipidi	: 1000 No.	• Scientific dairy farming

Sl. No.	Nature of media coverage	Proposed title of the programme to be telecasted/ broadcast
1.	Radio talk	• Nursery techniques in paddy • Pulses production technology (Redgram, Greengram) • Improved production in maize. • Biocotton production technology • Vermicomposting • Polyhouse production of vegetable crops • Nursery techniques in fruit crops – A profitable entrepreneurship • Management of nutritional deficiencies in Banana • High density planting in Banana • Foot and mouth disease • Feeding dairy animals • Clean milk production • Pest management in paddy • Pest and disease management in maize • Reclamation of problematic soils
2.	T.V. Programme	• Fertilizer and weed management in paddy • ICM in maize • Vermicomposting • Role of green manuring plantation crops • Role of 'Mango special' in correcting nutritional deficiencies in Mango • Azolla production, Scientific maintenance of cattle shed • Tomato disease management • Brinjal shoot borer management • Arecanut disease management

9. Nature of collaborative activities planned for 2011-12

Thrust area	Collaborative Organizations	Nature of activities*	No. of Activities
Balanced nutrition to school children's	Department of Public Instruction District Institute of Education and Technology	Workshop Campaigns	01 01
Breeding	Department of AH & VS, Davanagere	Animal health camp / Infertility camp	02
Feeding	Department of Agriculture	Workshop	01
Breeding	Department of AH & VS, Davanagere	Seminar	01
IPDM	Mahindra samrudhi, Banagalore	Seminar training	02
IPDM to paddy	Rallis India pvt ltd	seminar	01

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	Proposed receipts during 2011-12 (Rs.)
0.684	17.223	16.808	0.269	25.000	• Cereals • Pulses • Vermicompost • Banana Special • Vegetables • Vegetables (Planting material) • Fruits • Ornamental crop • Azolla • DHN-6 Fodder • Milk • Fisheries	60 qt 10 qt 20 tonnes 500 kg 1 qt 1000 No.s 5000 no.s 1000 no.s 32-40 kg 50000 cuttings 8000 Lt 5000 no.s	1,20,000-00 40,000-00 10,00,000-00 75,000-00 5000-00 5000-00 25,000-00 25,000-00 8000-00 1,00,000-00 1,28,000-00 10,000-00
							15,41,000-00

11. Physical status of revolving fund and plan for its utilization

Opening stock position of materials* as on 01.04.2010		Quantity produced during 2010-11	Quantity sold during 2010-11 Kg.	Closing stock position as on 31.01.2011 kg	Expected production during 2011-12 kg	Expected number of farmers to be benefited
Paddy	Nil	3800	3800	Nil	50 q	200 no.
Redgram	Nil	2035	2035	Nil	15 q	300 no.
Cowpea	Nil	1400	1400	Nil	1 q	100 no.
Valvet bean	Nil	30	30	Nil	0.3 q	30 no.
Brinjal	Nil	1000	1000	Nil	-	-
Tomato	Nil	300	300	Nil	-	-
Chilli	Nil	100	100	Nil	-	-
Cotton	Nil	60	60	Nil	-	-
Maize	Nil	5400	5400	Nil	-	-
Sunhemp	Nil	300	300	Nil	-	-

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.)
		Borewell	Year through	Ornamental fish production unit	100 m2	5000 fishes	1000-00
		Borewell	Year through but stocking in Kharif	Fish culture demo pond	700 m2	2.5 q fish	10,000-00
1	6	-	-	Dairying	6 – cow unit	7200 ltrs	144000-00
4	1 acre	-	-	Fodder demo plot	1 acre		
2	8 unit	-	-	Vermiculture unit	8 units	1 times / month	60000-00
1	1 unit	-	-	Azolla unit	1 unit	1 kg / day	1000-00
12	2 acre	Borewell	Summer-2010	Cowpea seed production	2 acre	150 / kg	4500-00
5th 6th	3 acre	Bore well	Summer-2010	Paddy	3 acre	3800 Kg	41800-00
3rd	1.5 acre	Bore well	Summer-2010	Brinjal	1.5 acre	500 Kg	5000-00
				Tomato	1.5 acre	300 Kg	4500-00
				Chillies	1.5 acre	100 Kg	1000-00
1	1 acre	Bore well	Kharif	Cotton	1 acre	40 Kg	1600-00
2, 11	3 acre	Bore well	Kharif	Maize	54001	400 Kg	4260-00
12	2 acre	Bore well	Kharif	Ragi	1.5 acre	300 Kg	3000-00
13	2 acre	Bore well	Kharif	Cowpea	1.5 acre	1400 Kg	3120-00
14	3 acre	Bore well	Kharif	Paddy	3 acre	3000 Kg	32704-00
15		Rain fed	Kharif	Velvet Beans	1 acre	300 Kg	1500-00
16		Rain fed	Kharif	Sunhemp	1 acre	62 Kg	3130-00
17		Rain fed	Kharif	Redgram	4 acre	2035 Kg	48861-00
		Rain fed	Kharif	Brinjal	1.5 acre	500 Kg	5000-00
		Rain fed	Kharif	Sunhemp	1 acre	300 Kg	12000-00
-	-	-	April 2011 to march 2012	Trichoderma production Unit	-	200	15000-00

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)
01	Banana suckers	Siddanur Banana Growers Association, Siddanur	5000
01	Mango seedlings Arecanut seedlings Drumstick seedlings Curry leaf seedlings Tomato seedlings Chilli seedlings	Sri Done Siddeshwara Vegetable Growers Association Nursery at Siddanur	3000 3000 3000 2000 100000 100000

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. - NIL

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.

Sl. No	Name of activity	Crops	Extent of coverage	
			No. of farmers	Area (ha)
01	Workshop	Arecanut	250	-
02	Crop Seminar	Coconut	250	-

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

Sl. No	Name of activity / Programes	No. of programmes	Crops / Enterprise	Extent of coverage*	
				No. of farmers	Area (ha)
1	Training	01	Maize	100	200
2	Training	02	Cotton	150	300

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

a) Mass adoption: Mass adoption in integrated crop management in paddy in cultivation will be adopted in Halebisleri village, Davanagere taluk in various stages of paddy crop. Appropriate extension programmes like trainings, method demonstration, workshops, seminars will be conducted at appropriate stages of crop.

18. Activities of soil, water and plant testing laboratory

Year of establishment	Expenditure is 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
2011	14 lakhs	300	200	--	-

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

19. Details of Budget Utilization (2010-11) Upto February 2011

Sl. No.	Name of the Head	Sanction	Release	Expenditure
1	2	3	4	8
	Opening Balance as on 01.04.2010		99964.32	
A]	**RECURRING ITEMS :**			
1	Pay & Allowances	4200000	*4317436*	3559736.00
2	Travelling Allowances	125000	*125000*	125081.55
3	Contingencies	*1300000*	*1300000*	*828426.28*
	[A] Office Contingency	200000	*200000*	199293.55
	[B] POL, Hiring, Maintenance of Vehicles	160000	*160000*	145782.34
	[C] Stipend / Meals for Trainees	105000	*105000*	94597.00
	[D] Teaching Materials for Training	65000	*65000*	63592.40
	[E] FLD (Other than Oilseeds & Pulses)	205000	*205000*	145374.80
	[F] OFT - On Farm Testing	65000	*65000*	62400.00
	[G] Training to Extension Personnel	10000	*10000*	6244.00
	[H] Maintenance of Buildings	30000	*30000*	29961.00
	[I] Extension Activities	30000	*30000*	29998.19
	[J] Farmers Field School	25000	*25000*	21187.00
	[K] Chemicals and Glasswares for SWTL	250000	*250000*	0.00
	[L] Petty Items for SWTL	100000	*100000*	25000.00
	[M]SWTL Sample Processing & Storage Facility	50000	*50000*	
	[N]Library (Journals, Periodicals, News Papers & Mag.)	5000	*5000*	4996.00
	Total - A	**5625000**	**5742436**	***4513243.83***

B]	**NON-RECURRING ITEMS :**			
1	Works :	2100000	*0*	
2	Equipments & Furniture	1650000	*1366300*	240189.00
3	Vehicles			
4	Library (Books & Journals)	10000		
	Total - B	***3760000***	***1366300***	***240189.00***
C]	**REVOLVING FUND :**	***0***	***0***	***0.00***
	GRAND TOTAL (A + B + C)	**9385000**	**7108736**	**4753432.83**
	Closing Balance as on 31.3.2011		**2455267.49**	

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.

20. Details of Budget Estimate (2011-12) [Pay is as per V Pay Commission] :

Sl. No.	Name of the Head	To Be Sanctioned	To Be Released	Expenditure To Be Made
1	2	3	4	8
A]	**RECURRING ITEMS :**			
1	Pay & Allowances	4682816	*4682816*	4682816
2	Travelling Allowances	250000	*250000*	250000
3	Contingencies	*2070000*	*2070000*	*2070000*
	[A] Office Contingency	300000	*300000*	300000
	[B] POL, Hiring, Maintenance of Vehicles	200000	*200000*	200000
	[C] Stipend / Meals for Trainees	200000	*200000*	200000
	[D] Teaching Materials for Training	100000	*100000*	100000
	[E] FLD (Other than Oilseeds & Pulses)	500000	*500000*	500000
	[F] OFT - On Farm Testing	500000	*500000*	500000
	[G] Training to Extension Personnel	50000	*50000*	50000
	[H] Maintenance of Buildings	50000	*50000*	50000
	[I] Extension Activities	50000	*50000*	50000
	[J] Farmers Field School	100000	*100000*	100000
	[K]Library (Journals, Periodicals, News Papers & Mag.)	20000	*20000*	20000
	Total - A	**7002816**	**7002816**	***7002816***

B]	**NON-RECURRING ITEMS :**			
1	Works :	*11800000*	*11800000*	11800000
2	Equipments & Furniture	8830000	*8830000*	8830000
3	Vehicles	1530000	*1530000*	1530000
4	Library (Books & Journals)			
	Total - B	***22160000***	***22160000***	***22160000***
C]	**REVOLVING FUND :**	***0***	***0***	***0***
	GRAND TOTAL (A + B + C)	**29162816**	**29162816**	**29162816**

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	Web site www.taralabalukvk.com	
02	Title of the technology module to be prepared	-	
03	Creation and maintenance of relevant database system for KVK	Will be completed by May - 2011	

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

23. Publication of case study planned for 2011-12

S. No	Title of the case study	Proposed date for finalization of documentation
1	Coconut gardens revived through natural farming	May 2011
2	Herbs paved way for growth and better health among human beings	May 2011

24. Technology Week

Particulars	Details
Period of Technology Week Observed during 2010-11	5 days (September 13 to 17, 2010)
Period of Technology Week planned during 2011-12	5 days (September 19 to 23, 2011)
No. of demonstrations planned to be conducted in KVK Campus to show to the farmers during Technology Week	28 demonstration units
Other activities / Programmes planned in connection with Technology Week	**Theme:** Agriculture research findings and agriculture development in the country. On the occasion seminars, workshops, agricultural quiz, song competition and easy writing for farmers will be conducted.

25. Innovative Farmer's Meet

Particulars	Details
Are you planning for conducing Farm Innovators meet in your district?	Yes
If Yes likely month of the meet	Sept. 2011
Brief action plan in this regard	Progressive and innovative farmers will be identified with the help of Departments of Agriculture, Horticulture and Veterinary in the district. Ten such special farmers will be invited to KVK to address the gathering of interested farmers. This interactive meets will be the platform to share their unique and profitable farming and non –farm experiences for the benefit of all.

26. Progressive Farmers List

Particulars	Details
Number of Progressive Farmers address and all details planned to be collected and documented during 2011-12	100 no.
Likely Date and Month of completion of this work (on or before 30th June 2011)	June 2011

27. Farmer Field School planned during 2011-12

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.
1	• Integrated nutrient management • ZnSO4 application • Seed rate and plant population • Use of bio fertilizers • Weed management • Pest and disease management	• Integrated Crop Production technology in hybrid maize	Critical inputs 5,000-00 Meals and Refreshment 4,000-00 FFS kit 10,000-00 Exposure visit 3,500-00 Leaf folder 2,500-00
		Total	**25,000-00**

28. Please give details of activities planned, other than those listed above. : Spirulina production demonstration unit

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