

Krishi Vigyan Kendra Hirehalli, Tumkur

ACTION PLAN MEETING 2011-12

**Dr.L.B.NAIK
Programme Coordinator**

GENERAL INFORMATION

Name of the Programme Coordinator I/C Residence Phone Number/ Mobile No.	:	Dr. L.B. Naik Res:080-25449212 Mob:9449816584
Year of sanction	:	March, 2009
Year of start of activities	:	2009 - 10
Major farming systems/enterprises	:	Dry Land Agriculture, Horticulture & Dairy
Name of agro-climatic zone	:	Central and Eastern - Dry Zone
Soil type	:	Red sandy and black soils
Annual rainfall (mm)	:	673 mm

Particulars	Programme Coordinator	SMS	Programme Assistant	Admn. Staff	Auxiliary Staff	Supporting Staff	Total
Sanctioned	01	06	03	02	02	02	16
Filled	-	06	03	02	02	02	15

Present Details of Staff Position

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	Date of joining	Permanent/ Temporary
1.	Programme Co-ordinator	Dr.L.B.Naik	Agronomy		P
2.	Subject Matter Specialist	Sri. K.N. Jagadish	Agril.Extension	17.11.2009	P
3.	Subject Matter Specialist	Sri P.R.Ramesh,	Soil Science	17.11.2009	P
4.	Subject Matter Specialist	Sri Prashanth J.M	Horticulture	24.11.2009	P
5.	Subject Matter Specialist	Sri B. Hanumanthe Gowda	Plant Pathology	02.12.2009	P
6.	Subject Matter Specialist	Ms. Radha R.Banakar	Home Science	05.12.2009	P
7.	Subject Matter Specialist	Dr. Somashekhar	Plant Breeding	07.12.2009	P
8.	Computer Programmer	Ms. Jyoti Appu Naik	Computer Programmer	30.09.2009	P
9.	Farm Manager	Sri K.S.Sanna Manjunath	Farm Manager	01.10.2009	P
10.	Programme Assistant	Sri Shiva Shankar Murthy	Programme Assistant	08.10.2009	P
11.	Accountant/Superintendent	Sri. D. Krishnappa	Accounts	14.10.2009	P
12.	Stenographer	Mrs.Veda Kurnalli	Stenographer	17.02.2010	P
13.	Driver	Sri M.H.Ningappa	Driver	30.12.2009	P
14.	Driver	Sri Hemanth Kumar	Driver	4.1.2010	P
15.	Supporting staff	Smt. Jaya	Supporting staff	23.07.2009	P
16.	Supporting staff	Sri P.Narayanappa	Supporting staff	24.07.2009	P

Infrastructure

Total Area (ha)	Area Cultivated (ha)	Area occupied by buildings and roads (ha)	Area with demonstration units (ha)
16	15.20	0.8	-

Vehicles

Type of vehicle	Model	Actual cost (Rs.)	Total kms. Run	Present status
Bolero Diesel Jeep	2009	596783.00	42600	Good
Motor Cycle	2010	52,658.00	4300	Good
Honda – Aviator	2010	46025.00	1200	
Power Tiller	2010	1,42,400.00	88 hrs	

Equipments & AV aids

Sl. No.	Name of Equipments	Date of purchase	Cost (Rs.)	Present status
1.	Fax Machine	2010	21,381	Good
2.	Xerox Machine	2010	67,262	Good
3.	Camera Nikon – Digital	2010	24,950	Good
4.	Computer with accessories	2010	49,900	Good
5.	White Board with stand	2010	3000	Good
6.	LCD Projector	2010	100000	Good

Details of SAC meeting conducted during 2010-11

Date	Major recommendations of SACs which are to be implemented during 2009-10
29.03.10	<ol style="list-style-type: none">1. It is suggested to take up the soil and water testing in Tumkur taluk2. It is advised to lay out the demonstration on farmers fields on intercropping instead of mono- cropping3. It is advised to technical guidance for producing quality seeds in the farmers field4. Thrust should be given water harvesting technology and integrated farming system5. Activities related to floriculture, ploy house production can be taken be up with the help of Department of Horticulture6. It is suggested to take up the animal related with the help of state veterinary Department and SMS (Animal Science), KVK, Konehalli7. Emphasis should be given for micro irrigation system for increasing water use efficiency8. Resources of other KVK can be utilized for better implementation for various programmes9. Emphasis should be given on aerobic paddy cultivation in area like Pavagada10. Groundnut diggers can be used efficiently for harvesting groundnut crop11. Tamarind processing machine should be demonstrated at KVK premises12. Establishment of Nutritive kitchen gardening in KVK farm13. It is suggested to demonstrate the success stories of the farmers

PLAN OF WORK

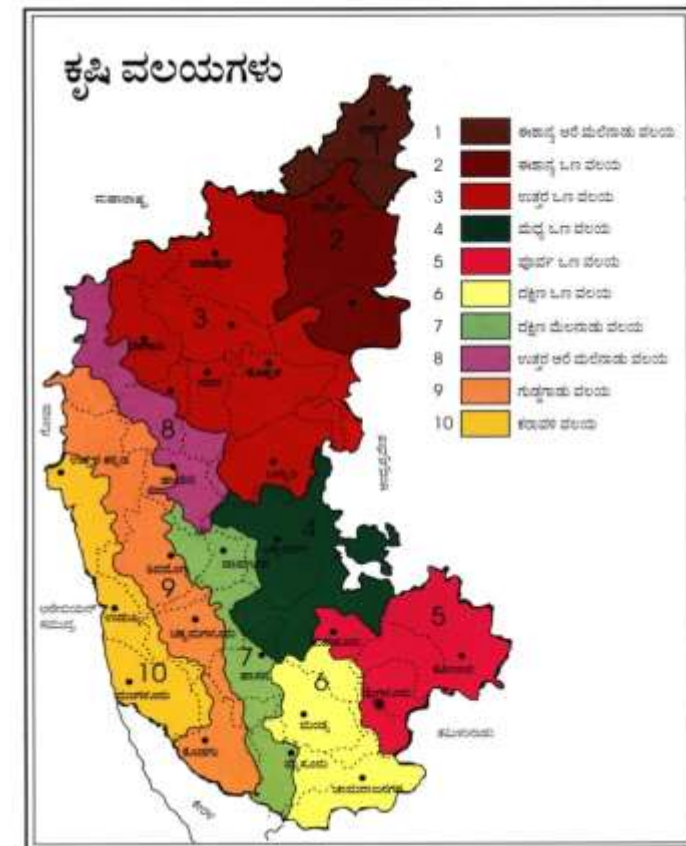
Operational Area Details

JURISDICTION OF KVK, Hirehalli



Zone - 4

- Koratagere
- Madugiri
- Pavagada
- Sira



Zone - 5

- Tumkur

Operational Area

Name of Taluk	Villages selected
Tumkur	Haralur, Kesaramadu, Beemasandra, Bairsandra, Gollahalli, Neralpur, Pemmanahalli, Sangapura, Doddathimnapalya, Chikahalli, Beeranakallu, G.H.Palya & Belagumba
Korategere	Chikvalli, Kymanhalli, Bidlot, Kodlahalli, D.Naganahalli & Chatnahalli
Madhugiri	Badavanhalli, Siddapur, Siridragallu & Vadderahalli
Pavagada	Kotgudda, Shilapur, Mugadal Betta & Arkyatanhalli
Sira	Kataveeranhalli, Mudimadu, Chikkanahalli, Veerapura, Kamagondanahalli, Bevanahalli & Honnenahalli

SUMMARY OF LIST OF THRUST AREAS

- High Yielding varieties / Hybrids
- Seed treatment with Bio fertilizers and fungicides
- Soil test based fertilizer application
- Integrated Nutrient Management
- Intercropping / Mixed / Multistoried cropping system
- Seed Production Techniques in Vegetables and field crops
- Integrated Pest & disease Management
- Post harvest technology in vegetables and fruits
- Soil and water conservation
- Drudgery reduction
- Income generating activities and Value addition
- Child and women care and balanced nutrition

***Abstract of Interventions
proposed based
on the identified problems
during 2011-12***

Abstract of intervention during 2011-12

Sl. No	Interventions	Numbers
1.	OFT	12
2.	FLD	20
3.	Trainings (Farmers, Farm women, Extension functionaries, Rural youth & Sponsored)	88
4.	Field days/ Exhibition	14
6.	Special days	5



ON FARM TESTING
2011-12

1 : GROUNDNUT (Assessment) 2nd Year

Title of Technology	:	Evaluation of groundnut varieties
Problem Definition	:	Lower yield, smaller pod size
Rationale for selection of technology	:	GPBD-4 is not preferred by the farmers / traders because of its smaller pod size.

Technology options being assessed along with justification

Technology Options	Details of technology	Source of Technology	Justification
TO 1 : Farmers Practice	Use of TMV -2		
TO 2: RPP	GPBD - 4	UAS, Dharwad.	
TO 3 :Alternate Practice	GPBD - 5	UAS, Dharwad	GPBD – 5 is of bigger pod size, traders and farmers are preferred and gives good yield.



Budget proposed for OFT : 1 ha

Sl. No.	Critical Inputs for Technology Option 2 (Recommended Practice)				Critical inputs for technology Options 3			
	Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)	Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)
1.	Seeds	20 Kg	45	900	Seeds	25 Kg	45	1125
	Total			900	Total			1125

Total budget required : Rs. 10,125



2 : GROUNDNUT (Assessment) 2nd Year

Title of Technology	:	Management of collar rot disease in groundnut
Problem Definition	:	Colonization of fungus in the rhizosphere at root zone causes incidence of collar rot in Groundnut
Rationale for selection of technology	:	Eco-friendly and low cost management practices

Technology options being assessed along with justification

Technology Options	Details of technology	Source of Technology	Justification
TO 1 : Farmers Practice	Seed treatment with Captan @ 2.5g/kg		
TO 2: RPP	Seed treatment with Trichoderma @ 4g/kg seed	UAS, Bangalore	In efficiency of present bio agent alone
TO 3 : Alternate Practice	Seed treatment with Pseudomonas fluorescence @ 4g/kg seeds & soil treatment with Pseudomonas @ 2.5kg & Neemcake @ 2.5q	PDBC, Bangalore	Eco-friendly and low cost management practices

Budget proposed for OFT : 1 ha

Sl. No.	Critical Inputs for Technology Option 2 (Recommended Practice)				Critical inputs for other technology Options 3			
	Name	Qty./ Unit	Unit Cost (Rs.)	Total Cost (Rs.)	Name	Qty./ Unit	Unit Cost (Rs.)	Total Cost (Rs.)
1.	<i>Trichoderma</i>	160gm	60/Kg	10	<i>Pseudomonas flouroscense</i>	160gm	250/Kg	40
2.	-	-	-	-	NSK	50 Kg	12/Kg	600
	Total			10	Total			640

Total budget required : Rs. 3250



3: REDGRAM (Assessment) 2nd Year

Title of Technology	:	Enhancing the productivity in Redgram production system
Problem Definition	:	Lesser germination percentage, lower productivity of the cropping system
Rationale for selection of technology	:	Higher productivity, soil & moisture conservation, uniform stand of crop, inducement of drought tolerance & lower incidence of pests

Technology options being assessed along with justification

Technology Options	Details of technology	Source of Technology	Justification
TO 1 : Farmers Practice	Monocropping of red gram in a closer spacing		
TO 2: RPP	Recommended Practice: direct sowing with a spacing of 90 X15 cm	UAS, Bangalore	
TO 3 : Alternate Practice	Transplanting of 30-40 days old seedling 120 X 30 cm spacing of BRG – 2	UAS ,Dharwad	Raised in polythene bags as to achieve uniform stand and higher yield in right season
TO 4: Alternate Practice	Transplanting of 30-40 days old seedlings 120 X 45cm spacing of BRG - 2	UAS, Dharwad	-do-

Budget proposed for OFT

Sl. No.	Critical inputs for recommended technology Option 2				Critical inputs for other technology Option 3			
	Name	Qty. / Unit	Unit Cost (Rs.)	Total Cost (Rs.)	Name	Qty./ Unit	Unit Cost (Rs.)	Total Cost (Rs.)
1.	Redgram (BRG-2)	3Kg/ha	75/Kg	225	Redgram (BRG-2)	3Kg/ha	75/Kg	225
2.					Polythene cover	1Kg/ha	100/Kg	100
	Total				Total			
	225				325			

Sl. No.	Critical inputs for recommended technology Option 4			
	Name	Qty./ Unit	Unit Cost (Rs.)	Total Cost (Rs.)
1.	Redgram (BRG-2)	3Kg/ha	75/Kg	225
2.	Polythene cover	1Kg/ha	100/Kg	100
	Total			325



Total budget required :Rs. 4375

4: MANGO (Assessment) 2nd Year

Title of Technology	:	Assessment of Mucuna as intercrop in Mango
Problem Definition	:	Low soil fertility, Lower income and more weeds infestation
Rationale for selection of technology	:	Mucuna as a medicinal crop which can be used as cover crop which adds nitrogen to soil and suppress the growth of weeds & more remunerative with less cost of cultivation

Technology options being assessed along with justification

Technology Options	Details of technology	Source of Technology	Justification
TO 1 : Farmers Practice	Mango + Ragi		
TO 2: RPP	Mango + Cowpea	UAS, Bangalore	Growing cowpea as inter crop in mango will not give more income and weeds will not be controlled effectively
TO 3 : Alternate Practice	Mango + Mucuna	CHES, Hirehalli	Mucuna as inter crop fixes nitrogen to soil, gives more remunerative and controls the weeds effectively.

Budget proposed for OFT

Sl. No.	Critical Inputs for Technology Option 2 (Recommended Practice)				Critical inputs for other technology Options 3				
	Name	Qty. / unit	Unit Cost (Rs.)	Total Cost (Rs.)	Name	Qty. / unit	Unit Cost (Rs.)	Total Cost (Rs.)	
1.	Cowpea Seeds	4 Kg	100	400	Mucuna seeds	12 Kg	80	960	
Total				400	Total				960

Total budget required

: Rs. 6,800/-



5: BANANA (Assessment) 2nd Year

Title of Technology	:	Paired row & Pit method of planting in Banana
Problem Definition	:	Low density and low yield
Rationale for selection of technology	:	Normal planting is 2260/ha & the no. of plants in paired row planting zig zag method is 5200/ha and Pit method is 4500/ha. High Density planting will reduce the no. of laterals which would be encouraging the higher yield

Technology options being assessed along with justification

Technology Options	Details of technology	Source of Technology	Justification
TO 1 : Farmers Practice	Square method (1.8m x 1.8m spacing)		
TO 2: RPP	Square method (2.1m x 2.1m spacing)	UAS, Bangalore	Lower yield per hectare, high cost involved for staking
TO 3 : Alternate Practice	Paired row method (2m x 1.2m x 1.2m)	NRC on banana (Thirchi)	More number of plants with paired row method compare to RPP method
TO 4 : Alternate Practice	Pit Method (3.6 m x 1.8 m) (3 suckers /hill)	KAU, (CARD-KVK Pathanammathitta, Kerala)	More number of plants with compare to RPP method

Budget proposed for OFT

Sl. No.	Critical Inputs for Technology Option 2 (Recommended Practice)				Critical inputs for other technology Options			
	Name	Qty./unit	Unit Cost (Rs.)	Total Cost (Rs.)	Name	Qty./unit	Unit Cost (Rs.)	Total Cost (Rs.)
1.	Suckers	Suckers 300	8/-	2400	Suckers	Suckers 600	8/-	4800
			8/-	2400			8/-	4800

Sl. No.	Critical Inputs for Technology Option 4			
	Name	Qty./unit	Unit Cost (Rs.)	Total Cost (Rs.)
1.	Suckers	Suckers 900	8/-	7200
			8/-	7200



Total budget required :Rs. 43,200

6 : ARECANUT (Assessment) 2nd Year

Title of Technology	:	Management of Nut splitting in Arecanut
Problem Definition	:	Severe nut splitting and yield loss
Rationale for selection of technology	:	Sudden flush of water after a period of water stress and boron deficiency leads to the nuts splitting which leads to poor growth and cracking of the nuts.

Technology options being assessed along with justification

Technology Options	Details of technology	Source of Technology	Justification
TO 1 : Farmers Practice	Application of complex fertilizers (17All) 2 bags and less FYM application		
TO 2: RPP	FYM 12 kg/tree + RDF 100: 40: 140 NPK g /tree	UAS, Bangalore	There is no recommendation specific dosage of micronutrient
TO 3 : Alternate Practice	FYM 12 kg/tree + RDF 100: 40: 140 NPK g /tree + Borax 30g /tree	CPCRI, Kasaragod	Application of boron reduces the nut splitting

Budget proposed for OFT

Sl. No.	Critical Inputs for Technology Option 2 (Recommended Practice)				Critical inputs for technology Options 3			
	Name	Qty. (Kg)	Unit Cost (Rs.)	Total Cost (Rs.)	Name	Qty.(kg)	Unit Cost (Rs.)	Total Cost (Rs.)
1.	Urea	24.2	5.0	121	Urea	24.2	5.0	121
2.	SSP	22.0	4.0	88	SSP	22.0	4.0	88
3.	MOP	25.4	4.6	117	Mop	25.4	4.6	117
					Borax	8.0	60	480
	Total		13.6	326	Total		73.6	806

Total budget required :Rs. 5,660



7: COCONUT (Assessment) 2nd Year

Title of Technology	:	Integrated management of eriophid mite in coconut
Problem Definition	:	Higher incidence of eriophyd mite
Rationale for selection of technology	:	To make coconut palms healthier by proper nutrition and to increase the productivity of coconut garden

Technology options being assessed along with justification

Technology Options	Details of technology	Source of Technology	Justification
TO 1 : Farmers Practice	Application of 20-25kg of FYM/palm, *250 gm/palm complex fertilizer.		
TO 2: RPP	50 kg FYM, 500:320:1200g NPK per palm / year, 5 Kg neem cake / palm, 50 g borax / palm / year, 500g MgSO ₄ / palm / year, Eco neem Plus 1% (10ml/palm, 3 times / year)	UAS Bangalore	
TO 3 : Alternate Practice	50 kg FYM, 500:320:1200g NPK per palm / year, 5 Kg neem cake / palm Nutritional tonic (250 ml / palm twice a year at 6 months interval)	TNAU, CBE	Improves soil fertility, induces tolerance for incidence of pests inturn increases the overall productivity of the garden.

Budget proposed for OFT

Sl. No.	Critical inputs for technology Option 2 Recommended technology				Critical inputs for technology Option 3					
	Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)	Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)		
1.	--	--	--	--	--	--	--	--		
2.	Urea	60 Kg	5/Kg	300	Urea	60 Kg	5/Kg	300		
3.	SSP	110 Kg	4/Kg	440	SSP	110 Kg	4/Kg	440		
4.	MOP	100 Kg	4.6/Kg	460	MOP	100 Kg	4.6/Kg	460		
5.	Borax	2.5 Kg	300/Kg	750	Coconut tonic	12.5 Ltr.	425 / ltr.	5,313		
6.	Mg So4	2.5 Kg	60/Kg	150						
7.	Econeem plus	1.5 ltr.	800/lt	1,200						
8.	Neem cake	250 Kg	10/Kg	2,500						
	Total				5,800	Total				6,513

Total budget required

: RS. 24,626.00



8 :TOMATO (Assessment) 2nd Year

Title of Technology	:	Assessment of tomato varieties .
Problem Definition	:	Susceptible for pest and bacterial wilt, leaf curl, low acidity and low yield and low market preference.
Rationale for selection of technology	:	Vaibhav (Rainfed) has high yielding, tolerant to wilt & DMT-2 has tolerant to bacterial wilt, leaf curl disease & high acidity content.

Technology options being assessed along with justification

Technology Options	Details of technology	Source of Technology	Justification
TO 1 : Farmers Practice	Local varieties (Laxmi)		
TO 2: RPP	Arka Meghali (Rainfed)	IIHR, Bangalore	Susceptible to bacterial wilt, low acidity
TO 3 :Alternate Practice	Vaibhav (Rainfed)	UAS, Bangalore	High yielding, tolerant to wilt
TO 4 :Alternate Practice	HYV -DMT-2 (Rain fed)	UAS, Dharwad	High yielding, high acidity content, tolerant to bacterial wilt & leaf curl

Budget proposed for OFT

Sl. No.	Critical Inputs for Technology Option 2 (Recommended Practice)				Critical inputs for technology Options 3			
	Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)	Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)
1.	Seeds	75 g	2000 /Kg	150	Seeds	75 g	2000 /Kg	150
	Total		2000	150	Total		2000	150

Critical inputs for technology Options 4			
Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)
Seeds	75 g	2000 /Kg	150
Total		2000	150

Total budget required : Rs. 2,250



9 :TOMATO (Assessment) 2nd Year

Title of Technology	:	Assessment of microbial consortium for tomato production
Problem Definition	:	Low nutrient use efficiency, poor soil fertility and low productivity
Rationale for selection of technology	:	Use of combined microbial inoculants specific to tomato for nutrient supplement, growth promotion and biological means of disease management

Technology options being assessed along with justification

Technology Options	Details of technology	Source of Technology	Justification
TO 1 : Farmers Practice	Complex fertilizers (17:17:17) 2 bags		
TO 2: RPP	FYM 25t/ha +RDF 180: 100: 60 NPK Kg /ha	IIHR, Bangalore	High cost involved for chemical fertilizers
TO 3 : Alternate Practice	FYM 25t/ha +RDF 135: 75: 60 NPK Kg /ha + Microbial consortium 4 kg /ha	IIHR, Bangalore	Combined microbial inoculants for nutrient supplement, growth promotion and biological disease management.

Budget proposed for OFT

Sl. No.	Critical Inputs for Technology Option 2 (Recommended Practice)				Critical inputs for technology Options 3			
	Name	Qty. (kg)	Unit Cost (Rs.)	Total Cost (Rs.)	Name	Qty. (kg)	Unit Cost (Rs.)	Total Cost (Rs.)
1.	Urea	39.0	5.0	195	Urea	29.3	5.0	147
2.	SSP	63.0	4.0	252	SSP	46.9	4.0	188
3.	Mop	10.0	4.6	46	Mop	10.0	4.6	46
					Microbial Consortium	4.0	100	400
	Total		13.6	493	Total		13.6	781

Total budget required : Rs. 6,370

10 : ASTER (Assessment) 2nd Year

Title of Technology	:	Performance of assessment of china Aster variety
Problem Definition	:	Small size flowers, diameter, low attractive colour and low yield
Rationale for selection of technology	:	Phule Ganesh pink having attractive colour, large sized and more numbers of flowers per plant and fetches higher price in the market.

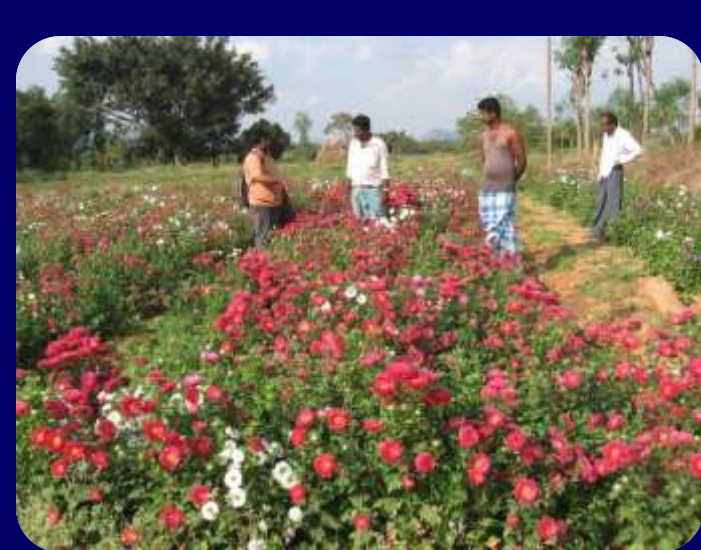
Technology options being assessed along with justification

Technology Options	Details of technology	Source of Technology	Justification
TO 1 : Farmers Practice	Local variety		
TO 2: RPP	Var: Kamini	IIHR, Bangalore	Medium yield and less attractive colour
TO 3 : Alternate Practice	Phule Ganesh Pink (PG-8)	MPKV, Rahuri	High yielding, large flower diameter and size & attractive pink colour and more number of flowers per plant (42 - 44)

Budget proposed for OFT

Sl. No.	Critical Inputs for Technology Option 2 (Recommended Practice)				Critical inputs for technology Options 3			
	Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)	Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)
1.	Seeds	150g	10000/Kg	1500	Seeds	150g	4000/Kg	600
	Total			1500	Total			600

Total budget required : Rs. 10,500



11 : DRYING TECHNIQUES – TAMARIND POWDER (Assessment) New

Title of Technology	:	DRYING TECHNIQUES – TAMARIND POWDER
Problem Definition	:	Low keeping quality
Rationale for selection of technology	:	Increased storability & enhanced income

Technology options being assessed along with justification

Technology Options	Details of technology	Source of Technology	Justification
TO 1 : Farmers Practice	Dehusked, deseeded and cleaned	ITK	
TO 2: RPP	Commercial tamarind powder	Private	
TO 3 :Alternate Practice	Using mini multi rack solar dryer, UAS(D) Model	UAS Dharwad	Osmotic dehydration followed by mini multi rack solar dryer
TO 4 :Alternate Practice	Osmotic dehydration followed by mini multi rack solar dryer	UAS Dharwad	overcomes the technology barrier (drying) Utilization of fiber content of the Tamarind

Budget proposed for OFT : 1 No.

Sl. No.	Critical Inputs for Technology Option 3 (AP-1, 2, & 3) / SHG			
	Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)
1	Tamarind	80 Kg	30/- Kg	2400/-
2	Salt	20 Kg	10/- Kg	200/-
3	Anti caking agent	4 Kg	100/- Kg	400/-
4	Mini multi rack solar dryer UAS (D) Model	1	3500/- Unit	3500/-
5	Ingredients for product development			1000/-
TOTAL				7500/-

Total budget required : Rs. 7,500



12:Solar Drier for Leafy Vegetables (Assessment) New

Title of Technology	:	Efficacy of solar drier to dry green leafy vegetables (Coriander, Curry leaf, Methi)
Problem Definition	:	Lack of awareness regarding the drying technique
Rationale for selection of technology	:	Efficacy of solar drier to dry green leafy vegetables (Coriander, Curry leaf, Methi)

Technology options being assessed along with justification

Technology Options	Details of technology	Source of Technology	Justification
TO 1 : Farmers Practice	No processing		
TO 2: RPP	Solar drier	UAS, Raichur	Processing for long term storage and enhancement of income
TO 3 :Alternate Practice	Solar drier	Agri Engg. Bhopal	

Budget proposed for OFT : 1 No.

Sl. No.	Critical Inputs for Technology Option 2				Critical inputs for technology Options 3			
	Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)	Name	Qty.	Unit Cost (Rs.)	Total Cost (Rs.)
1.	Raichur Model	01	3500	3500	Bhopal Model	01	4000	4000
	Total			3500		Total		4000

Total budget required : Rs. 7,500



FRONTLINE DEMONSTRATIONS

2011-12

FLD on Cereal crops

FRONT LINE DEMONSTRATION : 1

Title	:	Management of saline soils in Paddy
Thrust area	:	Soil and water management
Season of the Demonstration	:	Kharif
Technology to be demonstrated	:	Introduction of IR -30864 Green Manuring Crop (Daincha), FYM 5 ton/ha, Water Management, Azospirillum@ 2 kg/ha, PSB @ 2kg/ha ZnSo4-20 kg/ha
Reason for yield gap	:	Low nutrient uptake & low yield

Critical inputs to be provided	Area (ha) / Number	No. of farmers
Seed 62.5 kg/ha Azospirillum- 2kg/ha PSB-2kg ZnSo4- 20kg Daincha- 62.5kg	02	10



Total budget - Rs. 9176

FRONT LINE DEMONSTRATION : 2

Title	:	Aerobic paddy cultivation
Thrust area	:	Sustainability in yield through effective water management in rice (Aerobic method)
Season of the Demonstration	:	Kharif
Technology to be demonstrated	:	<ol style="list-style-type: none"> 1. Direct/Dribbling sowing MAS-946-1 2. 25X25 cm spacing 3. FYM: 10 ton/ha 4. 100:50:50 NPK Kg/ha 5. Use of cono weeder & 6. Pyrozosulfuron ethyl @ 250gm/ha 7. Lesser water requirement (30-40% less)
Reason for yield gap	:	Lower water use efficiency

Total budget - Rs 3,458

Critical inputs to be provided	Area (ha) / Number	No. of farmers
<ul style="list-style-type: none"> - Seed rate 7kg/ha MAS-946-1 - Azospirillum -PSB, -Pyrozosulfuron ethyl - Cono weeder 	01	04

FRONT LINE DEMONSTRATION : 3

Title	:	Ragi based cropping system
Thrust area	:	Cropping system
Season of the Demonstration	:	KHARIF
Technology to be demonstrated	:	Variety cowpea (early <i>Kharif</i>) followed by Ragi (ML-365) or GPU66/48 RDF : 50:40:25 NPK kg/ha FYM : 7.5 t /ha Carbendazim @2 gm/kg seed Azospirillum @ 2 kg/ha PSB @ 2 Kg/ha
Reason for yield gap	:	Mono cropping, Moisture stress, Use of low yielding varieties



Critical inputs to be provided	Area (ha) / Number	No. of farmers
Cowpea Seeds-30 kg Ragi -12 kg Bavistin -60g Azosprillum- 2kg/ha PSB-2kg	5	12

Total budget - Rs. 13,080

FRONT LINE DEMONSTRATION: 4

Title	:	Enhancing productivity through ICM in Maize
Thrust area	:	ICM
Season of the Demonstration	:	Kharif
Technology to be demonstrated	:	Introduction of NAH-1137(Hema) Hybrid /NAH-2049 Nithyashree Hybrid FYM-7.5 t/ha RDF: 100:50:25 NPK kg/ha ZnSo4 @10kg/ha Atrazine @2.5 kg/ha
Reason for yield gap	:	Zinc deficiency, Downy mildew, Stem borer and TLB disease low grain and fodder yield



Critical inputs to be provided	Area (ha) / Number	No. of farmers
Seeds-15 kg ZnSo4- 10kg Atrazin @2.5 kg/ha	05	12

Total budget - Rs. 13,250

FLD on Pulse crops

FRONT LINE DEMONSTRATION: 5

Title	:	Yield maximization in Red gram
Thrust area	:	ICM
Season of the Demonstration	:	Kharif
Technology to be demonstrated	:	Variety: BRG-1 Recommended Dose of Fertilizer: 25: 50: 25 NPK kg/ha. IPM measures: Cultural: Deep ploughing to expose immature stages of pests , Use of pheromone traps Biological: NPV @ 250 LE/ha Chemical:Indoxicarb @ 0.5ml/lit
Reason for yield gap	:	Moisture stress, pod borer

Critical inputs to be provided	Area (ha) / Number	No. of farmers
Variety: BRG-1 Recommended Dose of Fertilizer: 25: 50: 25 NPK kg/ha. IPM measures: Cultural: Deep ploughing to expose immature stages of pests Use of pheromone traps Biological: NPV @ 250 LE/ha Chemical:Indoxicarb @ 0.5ml/lit	10	25

Total budget Rs. 23,020

FLD on Fruit crops

FRONT LINE DEMONSTRATION : 6

Title	:	ICM in Mango
Thrust area	:	ICM
Season of the Demonstration	:	Rabi
Technology to be demonstrated	:	<ul style="list-style-type: none"> - FYM@25kg/plant - RDF 30:180:680 NPK gm/plant, - Mango Special Spray @125g/25 ltrs in July, November and December - Spray during Flowering i.e.,Planofix @ 4ml/16ltrs - Spray Carbaryl @4gm/lt - Fruit fly trap- 10 Nos.
Reason for yield gap	:	Flower& fruit dropping , Fruit fly, Powdery mildew



Critical inputs to be provided	Area (ha) / Number	No. of farmers
Mango special- 30kg Fruit fly trap-10 /ha Planofix -1 lit Sulfex- 1 kg Carbaryl -4 kg	02	10

Total budget -Rs. 13,900

FRONT LINE DEMONSTRATION : 7

Title	:	Micronutrient management in Banana
Thrust area	:	Nutrient management
Season of the Demonstration	:	Rabi
Technology to be demonstrated	:	Banana Special (5gm/ltrs) first spray during 5th month to 10th month and at 1 and 2 months after Bunch emergence
Reason for yield gap	:	Micronutrient deficiency leads to lower bunch size and yield



Critical inputs to be provided	Area (ha) / Number	No. of farmers
Banana Special 30kg MOP 720 kg	02	10

Total budget -Rs. 15,624

FRONT LINE DEMONSTRATION : 8

Title	: Integrated Management of Bacterial blight in Pomegranate
Thrust area	: IDM
Season of the Demonstration	: Rabi
Technology to be demonstrated	: <ul style="list-style-type: none"> I. Streptocycline 0.5 g/lit + COC 3.0 g/lit mixed with red soil and paste to pruned parts. II. 1% Bordeaux Mixture III. Streptocycline 500ppm + COC 0.25% at emergence stage IV. 0.4 % Bordeaux Mixture V. Streptocycline 500ppm + COC 0.25 % VI. 0.4% Bordeaux Mixture + Bavistin 0.1% repeat the spray as and when required
Reason for yield gap	: Bacterial blight



Critical inputs to be provided	Area (ha) / Number	No. of farmers
Streptocycline 750g Blitox -3125 g Bordeaux Mixture Bavistin 625g	01	10

Total budget-Rs. 13118 /-

FLD on Vegetables crops

FRONT LINE DEMONSTRATION : 9

Title	: ICM in French bean
Thrust area	: Maintaining productivity
Season of the Demonstration	: Kharif
Technology to be demonstrated	: Arka Suvidha seeds – 65kg Management of pests and disease : Neem cake- 250kg Chloropyriphos 2ml/lt <i>Seed treatment with Trichoderma- 5g/kg</i> Carbendazim- 1g /lt
Reason for yield gap	: - Aphids, fruit borer & yellow mosaic problem - Wilt incidence - Root rot problem & low yield



Critical inputs to be provided	Area (ha) / Number	No. of farmers
Arka Suvidha-65kg	02	10
Neem cake-250kg		
Chloropyriphos-2 ltrs		
Trichoderma-1 kg		
Carbendizim-1kg		

Total budget-Rs. 19,850

FLD 10 : Integrated management of yellow vein mosaic virus in Bhendi



Technology to be demonstrated



Use of tolerant varieties
Sowing trap crop on borders
Timely spraying of effective insecticides

Critical inputs to be provided/ ha

Name & Quantity	Cost (Rs./unit)	Total Cost
Seeds of Arka Anamika @ 7.5 kg	1500.00	1500.00
Triazophos @ 2.0 ml (1.25 ltrs)	700.00	700.00
Imidacloprid @ 0.5 ml (300 ml)	700.00	700.00
Acephat e@ 1.5g/ltr (1kg)	700.00	700.00
Total		3600/-

Area (ha): 1.0

No. of demonstrations: 5

FLD : 11 Integrated management of Brinjal shoot and fruit borer

No. of
trials: 5



Problem identified

**Severe incidence of Brinjal
shoot and fruit borer**

Technology to be demonstrated

**Integrated management of Brinjal shoot
and fruit borer- UAS (B)**

Critical inputs to be provided per demonstrations

Name & Quantity (kg/demo)	Cost/demo (Rs.)
Remove infested fruits and destroy	-
Pheromone traps (16 No.) + Lures (32 No.)	540
Neem oil /NSKE (1ml / ltr) – 1 ltr	500
Carbaryl (4 g/ ltr) – 2 kg	1500
Total	2540

**Total Cost:
Rs. 2540/-**

FRONT LINE DEMONSTRATION :12

Title	:	ICM in Brinjal
Thrust area	:	ICM
Season of the Demonstration	:	Kharif
Technology to be demonstrated	:	-Introduction of Arka Shirish -Root dipping in <i>Trichoderma harzianum</i> 20gm/lt -Using Neem cake 250kg/ha
Reason for yield gap	:	-Use of Low yielding hybrids



Critical inputs to be provided	Area (ha) / Number	No. of farmers
Seeds- 375gm Neem cake-50kg Trichoderma-1 kg Endosulfon -12 lit Dimethoate-1lt Mancozeb -2kg	01	05

Total budget -Rs. 9,375

FRONT LINE DEMONSTRATION : 13

Title	:	ICM Tomato
Thrust area	:	ICM
Season of the Demonstration	:	<i>Rabi</i>
Technology to be demonstrated	:	Using Arka Ananya <i>Trichoderma viridae</i> Neem cake soil application Imidacloprid, Neem Soap (eco-neem product)
Reason for yield gap	:	Low yield and Blight disease



Critical inputs to be provided	Area (ha) / Number	No. of farmers
Arka Ananya Seeds-100gm Trichoderma-100gm Neem cake-250kg Marigold-500gm Imidacloprid-200gm Indaxicarb-0.3lt Neem soap-6.0kg	02	10

Total budget -Rs. 19,660

FRONT LINE DEMONSTRATION : 14

Title	:	Popularization of Arka Jay high yielding variety in Dolichos
Thrust area	:	HYV / Hybrids
Season of the Demonstration	:	<i>Rabi</i>
Technology to be demonstrated	:	Cultivation of Arka Jay variety
Reason for yield gap	:	Low yield



Critical inputs to be provided	Area (ha) / Number	No. of farmers
Seeds 37 kg	02	10

Total budget -Rs. 11,000

FRONT LINE DEMONSTRATION : 15

Title	:	Integrated Pest Management in Cabbage
Thrust area	:	IPM
Season of the Demonstration	:	Rabi
Technology to be demonstrated	:	Mustard as a trap crop Bt Spray @1 ml /lit at 10 days after transplanting Indauxicarb 0.5 ml/lit Neem soap spray @10 g/ ltrs Pongamia soap @10g / ltrs
Reason for yield gap	:	DBM pest



Critical inputs to be provided	Area (ha) / Number	No. of farmers
Mustard Seeds -2.5 kg Bt formulation 650 ml Indoxicarb 100 ml Neem soap 7.5 kg Pongamia soap-2.5 kg	02	10



Total budget-Rs. 4,638

FLD on Plantation crops

FRONT LINE DEMONSTRATION : 16

Title	:	Integrated Management of Anabe Roga in Arecanut
Thrust area	:	IDM
Season of the Demonstration	:	Rabi
Technology to be demonstrated	:	Neem cake @2kg/plant Drenching with Calixin @ 0.3 % Root feeding Calixin 1.5% or 15 ml /lt (125ml spray solution / plant) RDF, FYM 20kg/plant
Reason for yield gap	:	Anabe Roga



Critical inputs to be provided	Area (ha) / Number	No. of farmers
Neem cake 2 kg / palm Calixin 6.25 ltrs	100 palms	10

Total budget-Rs. 7018

FLD on Home science

FRONT LINE DEMONSTRATION : 17

Title	:	Drudgery reduction using groundnut decorticator
Thrust area	:	Drudgery reduction
Season of the Demonstration	:	Rabi
Technology to be demonstrated	:	Use of Hand operated groundnut decorticator with grades and sieves (Hiriyur Model)
Reason for yield gap	:	High drudgery and low efficiency of farm women High fatigue due to use of traditional methods Unavailability of labour High cost of labour



Critical inputs to be provided	Area (ha) / Number	No. of farmers
Decorticator with grades & sieves	05	05

Total budget-Rs. 15,000

FRONT LINE DEMONSTRATION :18

Title	:	Safe storage method for pulses
Thrust area	:	Post harvest technology (Redgram)
Season of the Demonstration	:	Rabi
Technology to be demonstrated	:	Safe storage of pulses -25 hours drying on concrete threshing yard for 5 days Storing redgram seeds in a bucket Spreading 3 cm depth medium fine sand on seeds Covering with lid
Reason for yield gap	:	Storage pest



Critical inputs to be provided	Area (ha) / Number	No. of farmers
Plastic buckets	05	05

Total budget-Rs. 3,000

FRONT LINE DEMONSTRATION : 19

Title	:	Popularization of nutritional garden
Thrust area	:	Balanced nutrition
Season of the Demonstration	:	Kharif
Technology to be demonstrated	:	Nutritional garden
Reason for Mal nutrition	:	Food and nutritional insecurity among farm women Low consumption of fruits and vegetables High cost of fruits and vegetables



Critical inputs to be provided	Area (ha) / Number	No. of farmers
Seeds & seedlings (Fruit & vegetables)	05	05

Total budget-Rs. 12,500

FRONT LINE DEMONSTRATION :20

Title	:	Popularization of tomato soup mix
Thrust area	:	Income Generating Activity
Season of the Demonstration	:	Kharif
Technology to be demonstrated	:	Introduction of tomato soup mix for additional income (UAS, B)
Reason for low income	:	Low income during glut and lack of knowledge on Income generating activities

Critical inputs to be provided	Area (ha) / Number	No. of farmers
Tomato	04	04
Mini multi rack solar dryer (UAS –D)		
Preservatives		

Total budget-Rs. 20,000

Plan for training programmes

2011-12

Plan For Training Programmes For Extension Functionaries During 2011-12

Crop / Enterprise	Organization	Training Course Title	No. of Courses
Mango	Dept. of Horticulture	Recent advances in Cultivation of Mango	01
Value addition	Dept of Women and Child Welfare	Enrichment and popularization of low cost nutritious foods	03
Nutritional Education	Dept of Women and Child Welfare	Women and child care	01
Dairy	Dept. of Animal Science	Production and feeding methods of Azolla milch animals to improve the milk production and health	01
TOTAL			06

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
Mushroom	Low income	Income generation	Oyster mushroom production	04	Method
Washing powder and phenyl preparation	Poor knowledge	Income generation	Washing powder and phenyl preparation	02	Method
Seed production	Low income and non availability of seeds	Seed production	Seed production techniques in vegetables	01	Rouging of off types
Total				07	

Plan of vocational training programmes for Young Farmers (Rural Youth) during 2011-12

Crop / Enterprise	Training title*	No. of programmes and Duration (days)	Skill to be transferred
Mushroom	Mushroom cultivation	2 (3 days)	Media preparation and inoculation
Composting	Vermicomposting	1 (7 days)	Production of Vermicompost and Vermiwash
Value addition	Preparation of value added products	2 (3 days)	Blending techniques
Bio Pesticide	Production of Neem based products	1(3 days)	Neem Soap, Neem Powder, neem Oil, NSKE,etc.
Vegetables	Improved Seed Production Practices in Vegetables	1 (7 days)	Emasculation, Pollination, Roughing
Home science	Making of Agarbatti, Candle, Phenyl , Soap Powder	1 (5days)	Products Preparation
Total		08	

Plan of training programmes for farmers/farm women during 2011-12

Crop / Enterprise	Major problem	Training Course Title*	No. of Courses
Paddy	<ul style="list-style-type: none"> • Poor nutrition • Blast disease • Saline soil • Low yield 	<ul style="list-style-type: none"> • Nutrient Management in Paddy • IPDM in Paddy • Saline soil Management 	1 1 1
Ragi	<ul style="list-style-type: none"> • Monocropping Imbalanced nutrient, Low yield 	<ul style="list-style-type: none"> • Improved production practices in Ragi 	2
Maize	<ul style="list-style-type: none"> • Nutrient deficiency 	<ul style="list-style-type: none"> • Nutrient Management in Maize 	1
Groundnut	<ul style="list-style-type: none"> • Low productivity • Tikka disease • Collar rot • Rot grub 	<ul style="list-style-type: none"> • IDM in ground nut • Production practices in Groundnut 	1 1
Red gram	<ul style="list-style-type: none"> • Sterility mosaic • Pod borer, Low yield 	<ul style="list-style-type: none"> • Improved production techniques • IPM in Redgram 	1 1
Mango	<ul style="list-style-type: none"> • Monocropping, Flower and fruit dropping • Fruit fly, Powdery mildew 	<ul style="list-style-type: none"> • Production technologies in mango • IDM in mango 	1 1
Banana	<ul style="list-style-type: none"> • Poor management practices • Poor bunch weight • Pest and disease problems 	<ul style="list-style-type: none"> • Production practices • INM in Banana 	1 1

Crop / Enterprise	Major problem	Training Course Title*	No. of Courses
Arecanut	<ul style="list-style-type: none"> • Poor management of orchard • Imbalance nutrient application • Anaberoga & Bud rot • Nut splitting 	<ul style="list-style-type: none"> • Integrated crop management • Pest and disease management 	<p style="text-align: center;">1</p> <p style="text-align: center;">1</p>
Pomegranate	<ul style="list-style-type: none"> • Poor management orchards • Bacterial blight 	<ul style="list-style-type: none"> • Integrated management in Bacterial blight 	<p style="text-align: center;">1</p>
Tomato	<ul style="list-style-type: none"> • Local varieties • Low seed availability • Pest mgmt. 	<ul style="list-style-type: none"> • Seed production • Production technology. 	<p style="text-align: center;">1</p> <p style="text-align: center;">1</p>
Brinjal	<ul style="list-style-type: none"> • Shoot & Fruit Borer • Bacterial wilt 	<ul style="list-style-type: none"> • IPM in brinjal • ICM in Brinjal 	<p style="text-align: center;">1</p> <p style="text-align: center;">1</p>
Dolichos	<ul style="list-style-type: none"> • Local varieties 	<ul style="list-style-type: none"> • Seed production techniques 	<p style="text-align: center;">2</p>
French bean	<ul style="list-style-type: none"> • Rust disease • Low yield 	<ul style="list-style-type: none"> • Improved cultivation practices 	<p style="text-align: center;">2</p>

Crop / Enterprise	Major problem	Training Course Title*	No. of Courses
Cabbage	<ul style="list-style-type: none"> • DBM 	<ul style="list-style-type: none"> • IPM cabbage 	2
Aster	<ul style="list-style-type: none"> • Smaller flower size • Low Yield 	<ul style="list-style-type: none"> • Improved Cultivation Practices 	1
Nutrition Garden	<ul style="list-style-type: none"> • Mal Nutrition 	<ul style="list-style-type: none"> • Importance of Kitchen Garden 	2
Mushroom cultivation	<ul style="list-style-type: none"> • Non utilization of farm wastes 	<ul style="list-style-type: none"> • Importance and role of Mushroom cultivation 	3
Vermicomposting	<ul style="list-style-type: none"> • Non utilization of farm waste 	<ul style="list-style-type: none"> • Importance and role of vermin compost in organic farming 	1
Value addition	<ul style="list-style-type: none"> • Under utilization 	<ul style="list-style-type: none"> • Preparation of Jam, sauce , pickle etc., • Value added products of Ragi • Value added products of Amla 	2 2 2
TOTAL			39

Plan for sponsored training programme during 2011-12

Crop/ Enterprise	Training course title*	No. of Courses	Sponsored Agency
Processing	Entrepreneurship development programmes	01	NABARD
Amla	1. Improved cultivation practices of Amla 2. General benefits of Amla 3. Value additon in Amla	05	KAMPA, Bangalore
Total		06	

Details of Extension programmes planned for 2011-12

Month	Extension activity*	Its relation to KVK activities (Tables 2 to 6)**	Expected category of participants
Apr, 11	Group meeting/Training/Method demonstrations	FLD / OFT/Off Campus and On campus training	140
May, 11	Group meeting/Training/Method demonstrations	FLD / OFT/Off Campus and On campus training	120
June, 11	Group meeting/Training/Method demonstrations	FLD / OFT/Off Campus and On campus training	145
July, 11	Group meeting/Training/Method Demonstrations/Field visits	FLD / OFT/Off Campus and On campus training	160
August, 11	Field visit/ Training	FLD/OFT/ problematic field visits	125
Sept, 11	Group meeting/Training/Method Demonstrations/Field visits/Field day	FLD / OFT/Off Campus and On campus training/ Field days	145

Details of Extension programmes planned for 2011-12

Month	Extension activity*	Its relation to KVK activities (Tables 2 to 6)**	Expected category of participants
October, 11	Group meeting/Training,/Method Demonstrations/Field visits/Exhibitions/Field day,	FLD / OFT/Off Campus and On campus training/ Field days	180
November, 11	Training / Method Demonstrations/Field visits/ /Field day/ Women in agriculture	FLD / OFT/Off Campus and On campus training/ Seminar	160
December, 11	Training/Method Demonstrations/Field visits/Exhibitions/ Seminar	FLD / OFT/Off Campus and On campus training	175
January, 12	Training/ Method Demonstrations/ Field visits/	FLD / Off Campus and On campus training	120
February, 12	Group meeting/Training/ /Field visits/Exhibitions	FLD/Off Campus and On campus training	85
March, 12	Group meeting/Training/ /Field visits/Exhibitions/seminars	Off Campus and On campus training	125

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

Sl. No.	Nature of literature/publications	No. of copies
1.	Leaf lets/folders	17
2.	Technical Bulletins	05
3.	News paper articles	15
4.	Books	03
5.	Radio talks	07
6.	TV courage	02

Nature of collaborative activities planned for 2011-12

Thrust area	Collaborative Organizations	Nature of activities*	No. of Activities
Crop productivity Seed production activities in vegetables, INM & IPM in vegetables and field crops	KSDA / NGOs / DOH/SHGs	Training / Field visits, Group meetings , Trainings, Demonstrations, Publication/Field day	02
Seed production activities in pulses	NGO- ORDER/ NABARD	Training / Field visits, Group meetings Trainings, Demonstrations & Publication	15
Poor nutrient management	KSDA/DOH/ NGOs	Field visits, Trainings, Demonstrations	02
Post harvest techniques	Dept. of Horti	Post harvest technology through Trainings, Seminars	02
IGA to farmers families	Dept. of women and child development	IGAs on Soap powder & phenyl making demon / training on value addition to cereals, pulses, vegetables and fruits.	02

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)
1.71634	0.62151	1.24302	2.33785	1.50	Seed production Bhendi (Okra) Arka Anamika	8 qt	1.60.
					Aster	5 kg	0.20
					Arecanut seedlings	30,000 Nos.	3.00
					Drumstick seedlings	2000 Nos	0.10
					Mango grafes	500 Nos	0.122
					French bean(Arka Savidha)	4 qt	0.40
					Chilii (Arka Sufala)	50 kg	0.25
					Pumpkin (A.Chandan)	50 kg	0.20
					Tomato (A .Meghali)	20 kg	0.30
					Neem and Pongamia soap	100 kg	0.125
					Ragi malt	130 kg	0.080
					Amla candy and supari	50 kg	0.015
						Total	6.377

Physical status of revolving fund and plan for its utilization

Opening stock position of materials* as on 01.04.2010	Quantity produced during 20010-11	Quantity sold during 20010-11	Closing stock position as on 31.03.2011	Expected production during 2011-12	Expected number of beneficiaries
0.30 Lakh Areca nut seedlings	0.40 Lakh Arecanut seedlings	0.30 Lakh Arecanut seedlings	0.40 Lakh Arecanut seedlings	0.40 Lakh Arecanut seedlings	400

Activities planned for production and supply of Seeds during 2011-12

Sl. No.	Seeds/Planting material /Bio-agent	Name of the public-private partnership arranged	Quantity of output expected (Qtl)
1.	Hybrid paddy KRH-2	Seed growers to KSSC	40
2.	Redgram BRG-2	Seed growers to KSSC	90
3.	Bhendi Arka Anamika	Seed growers to IIHR	6
4.	Ragi	Seed growers to KSSC	60
5.	French Bean – Arka Suvidha	Seed growers to IIHR	25
6.	Groundnut GPBD-4	Seed growers to KSSC	125
7.	Tomato -Arka Meghali	Seed growers to IIHR	0.5

**National Horticulture Mission (NHM) activities in
district in collaboration with department of horticulture**

Projects

Sl. No.	Particulars	Cost (Rs.)
1.	Management of nursery in medicinal crops	4.0 Lakhs

Training Programme

Sl. No.	Title of training	Cost (Rs.)
1.	Post harvest Technology in fruits and vegetable crops	4 Days
2.	Vegetable seed production activities	4 Days

Type of Scientist-Farmer linkages are proposed by your KVK for 2010-11

One to one linkage :

Seed production technique in vegetables /field crops

One Scientist to group of farmers/farmwomen:

Conducting training programmes, method demonstration

Group of Scientists to group of farmers/farmwomen :

Seminars, Field days, Field visits etc.,

Details of budget utilization (2010-11)

Sl. No.	Particulars	Sanctioned (in Lakhs)	Released	Expenditure
A. Recurring Contingencies				
1.	Pay & Allowances	45.00	45.00	43.90834
2.	Traveling allowances	1.25	1.25	0.28478
3.	Contingencies			
<i>A</i>	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2.20	2.20	1.51966
<i>B</i>	POL, repair of vehicles, tractor and equipments	2.00	2.00	1.19344
<i>C</i>	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1.20	1.20	0.85984
<i>D</i>	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.30	0.30	0
<i>E</i>	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	1.50	1.50	1.49977
<i>F</i>	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.70	0.70	0.69775
<i>G</i>	Training of extension functionaries	0.25	0.25	0.03500
<i>H</i>	Maintenance of buildings	0.90	0.90	0.30000
<i>I</i>	Establishment of Soil, Plant & Water Testing Laboratory	0.00	0.00	0.00
<i>J</i>	Library	0.05	0.05	0.0700
<i>k</i>	FFS	0.25	0.25	0.21
<i>l</i>	Extension activities	0.30	0.30	0.00
TOTAL (A)		55.9	55.9	50.57858

Contd..

B. Non-Recurring Contingencies				
1.	Works	37.00	37.00	37.00000
2.	Equipments including SWTL & Furniture	7.00	7.00	1.00000
3.	Vehicle (Four wheeler/Two wheeler, please specify)	0.00	0.00	0.00
4.	Library (Purchase of assets like books & journals)	0.10	0.10	0.00
TOTAL (B)		44.1	44.1	38.00
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		101.00	101.00	87.99718

Details of budget Estimate (2011-12)

Sl. No.	Particulars	Proposed
A. Recurring Contingencies		
1.	Pay & Allowances	50.00
2.	Traveling allowances	2.00
3.	Contingencies	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2.50
B	POL, repair of vehicles, tractor and equipments	3.00
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1.50
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.50
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	2.15
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	1.35
G	Training of extension functionaries	0.50
H	Maintenance of buildings	1.50
I	Establishment of Soil, Plant & Water Testing Laboratory	22.50
J	Library	0.05
K	Extension activities	0.50
I	FFS	0.30
TOTAL (A)		88.05

Contd..

Particulars	Proposed
B. Non-Recurring Contingencies	
Works	78.00
Equipments including SWTL & Furniture	
Vehicle (Four wheeler/Two wheeler, please specify)	-
Library (Purchase of assets like books & journals)	0.10
TOTAL (B)	78.10
C. REVOLVING FUND	-
GRAND TOTAL (A+B+C)	166.15

Targets for E-linkage activities for 2011 - 12

Sl. No.	Nature of activities	Likely period of completion (please set the time frame)
01.	Final installation of E-Linkage facility	-
02.	Creation of web-site	Completed
03.	Development of Technological Models with modules in major disciplines	-
04.	Creation and maintenance of relevant database system for KVK	June, 2011
05.	Any other (Please specify)	-

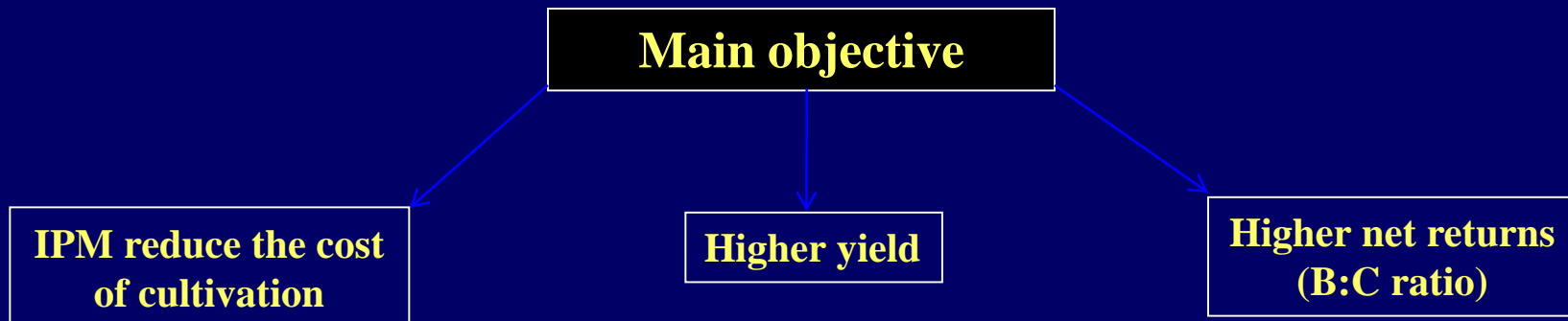
Details of activities planned, other than those listed above

- ❖ **Staff research projects/Ad-hoch projects**
- ❖ **Participating in departmental Bi-monthly workshop by master trainers**
- ❖ **Consultancy & Documentation of ITK**
- ❖ **Survey and collection of local variety seed**
- ❖ **Documentation of Achievements of progressive farmers/farmwomen**
- ❖ **Mobilization of farmers for seminar/field day/workshop**

Farmers Field School (FFS)

Title of FFS: Integrated Pest Management (IPM) in Tomato

Problem Definition: Tomato is the most important remunerative crop of the district. The reduction in the income is mainly due to lack of knowledge on pest and disease management, time of transplanting, poor agronomic practices (Weeding, water management, earthing up & staking).



Scientific rationale

Farmers are switching over to the other vegetables mainly due to pest and diseases and low price during peak harvesting time. Through FFS the identified problems will be tackled to effect the net returns.

Learning process

- ◆Tomato growers/farmers will learn about the IPM approaches by actively involving from Plough to Plate.**
- ◆The participants will be divided into 4-5 groups. Each group will take IPM technology, conduct Agro Ecological Situation of the Area (AESAs), to take up measurement/observation of plant height, No. of fruits/plant, incidence of pest and disease in IPM plots and farmers practice plots**

Budget

Particulars	Amount (Rs.)
1. Seeds (3 packets)	1000-00
2. IPM measures	
Marigold seeds – 100 gm (Trap crop)	100-00
Imidacloprid (0.3 ml/l) – 200 ml (White fly)	350-00
Neem cake – 50 kg (Fruit borer)	500-00
Triazophos (1.5 ml/l) (Leaf minor)	250-00
Mancozeb (2.5 gm/l) (Early and late blight)	300-00
Pheromone trap – 5 No. (Fruit borer)	500-00
3. FFS kit	1500-00
4. Stationeries	900-00
5. Caps and Bags	3000-00
6. Refreshment	4000-00
7. Field day	1000-00
8. Publication	5000-00
9. POL	3600-00
10. Exposure visit for FFS farmers	3000-00
Total	25,000.00

THANK YOU