ZONAL PROJECT DIRECTORATE – ZONE VIII BANGALORE

PROFORMA FOR ACTION PLAN OF KVKS IN ZONE VIII FOR THE YEAR 2012-13

1. General information about the Krishi Vigyan Kendra

1.	Name and address of KVK with Phone, Fax and email, Website	:	Uttara Kannada, 08384-228411, kvkuks@gmail.com, www.kvkuttarkannada.org
2.	Name and address of host organization	:	University of Agriculutral Sciences, Dharwad Krishi Nagar, Dharwad
3.	Year of sanction	:	2004
4.	Name of agro-climatic zone	:	9 & 10
5.	Major farming systems/enterprises		Paddy, Arecanut, Dairy, Fishery
6.	Soil type	:	Sandy Loamy
7.	Annual rainfall (mm)	:	2535mm

2. Details of staff as on date

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	Existing Pay band	Grade Pay	Date of joining	Permanent / Temporary	If vacant action plan for filling the post on permanent basis
1.	Programme Coordinator	Dr. Hemant G Hegde	Horticulture	37400-67000	10000	22.08.06	P	
2.	Subject Matter Specialist	Dr. Roopa S. Patil	Agril. Entomology	15600-39100	6000	3.12.08	P	
3.	Subject Matter Specialist	Smt. Vinuta U. Muktamath	Home Science	15600-39100	6000	15.07.09	P	
4.	Subject Matter Specialist	Mr. Shivashenkaramurthy	Agronomy	15600-39100	6000	28.11.11	P	
5	Subject Matter Specialist	Vacant		15600-	6000			

				39100				
6	Subject Matter Specialist	Vacant		15600-39100	6000			
8	Programme Assistant	Vacant		9300 - 34800	4200			
9	Computer Programmer	Smt. Annapurna F. Neeralagi,	Computer	9300 - 34800	4200	29.03.10	P	
10	Farm Manager	Dr. Praveen T. Goroji	Soil Science	9300 - 34800	4200	13.11.08	P	
11	Accountant/Superintendent	Mr. Somashekhariah S.L	Accounts	10000-18150		14.10.11	P	
12	Typist	Ms. Purnima K. Hirehal	Typist	8000-14800		12.11.09	P	
13	Driver 1	Sri. Balappa.R. Taragar	Light Vehicle	5800-10500		6.10.09	P	
14	Driver 2	Vacant		5800-10500				
15	Supporting staff 1	Mr. Hazrat.A.Nadaf	Asst cook-cum-care taker	5200-8200		2.08.09	P	
16	Supporting staff 2	Vacant		5200-8200				

3. Details of SAC meeting conducted during 2011-12

Sl.No	Date	Recommendations		Tentative date of SAC meeting proposed during 2012-13
1	30.07.2011	Activities of KVK, Success Stories and innovations should be documented and measures should be taken to popularize the same through radio , newspaper and other communication medias.	Success stories and innovations have been documented and handouts , charts have been prepared and are exhibited in krishimelas ,exhibitions arranged in Krishi Utsavas, etc.	June 2012
		As UttaraKannada is a horticulture district , low cost shadenet cultivation technologies should be demonstrated in KVK to educate and train the farmers. Necesssary action should be taken to get a borewell to carry out the above activities.	Has been initiated	
		KVK should develop nursery to provide quality seedlings to farmers and to other schemes . Financial assistance for the same may be obtained through NHM.	Nutmeg, papaya, drumstick , pepper seedlings are produced and provided to farmers and IFS programmes.	
		More number of farmers should be registered and they should be grouped based on commodity for the fruitful sending of farm advisory message through SMS. Also measures should be taken to popularize the website of KVK by printing it on KVK vehicles , pamplets , folders,Newsletter,etc.	Action has been taken.	
		Taluka wise Soil Fertility Maps should be prepared based on which recommendations to the farmers should be made.	Will be done in coordination with KSDA	
		OFT on power cono weeder should be implemented.	Will be conducted in Kharif 2012.	

		Vocational training on Heifer and Fodder management should be conducted with the help of Animal husbandry department of UAS , Dharwad.	Training to IFS farmers of Tigani , Narur has been conducted in collaboration with KMF and Veterinary department officials.	
		Training on value addition of Milk and Milk Products should be conducted.	Off campus training at Kuntwani and Tigani villages have been conducted.	
		Vacant positions should be filled based on priority.	SMS(Agronomy) has been filled up , action is in progress	
		List of progressive and innovative farmers should be updated regularly and they should be used as agriculture technological ambassadors to disseminate The knowledge in the district.	The list are updated and they are used as resource persons in various training conducted by KVK and farmers have been taken to visit their fields.	
		The work of KVK in the last decade should be documented and it should be made available to farmers through newsletter.	Action has been initiated.	
		The implements suitable to the district should be obtained by the KVK and it should be made available to the district farmers on custom hiring basis.	Purchase of different implements is in progress. Already groundnut decorticators , white pepper processing implements are made available to the farmers.	
		Seed production programme to provide quality seeds to farmers should be undertaken.	Seed production of sunhemp and KMP-105 is taken and about 7 qtls KMP-105 seeds is provided to farmers.	

4. Capacity Building of KVK Staff

A. Plan of Human Resource Development of KVK personnel during 2012-13

S. No	Category	Area of training	Institution proposed to attend	Justification	Details of trainings attended during 2011-12
1.	Programme Coordinator	Cryogenic processing of spices and freeze drying of of fruits and vegetables	Navsari , Gujarat	Training youths in advanced processing technologies of horticulture crops	Nil
2.	SMS (Ag.Ent)	Biological control and IPM in horticulture crops	NBAII, Bangalore and IIHR, Bangalore	In Uttar kannada district areca based cropping system is major and farmers are very much inclined towards organic means of pest control. It helps in further strengthening in production of microbial pesticides.	Nil
3.	SMS(Home Science)	Button Mushroom cultivation	IIHR , Bengaluru	To learn Button mushroom cultivation	NIL
		Bakery Training	UAS, Dahrwad	To give vocational trainings to SHGs	
		Processing of fruits and vegetables	CFTRI, Mysore	To conduct trainings	
4.	SMS(Agronomy)	Precision Farming	TNAU	To get Knowledge on Precision farming and demonstration in both Farm and Farmers Field	NIL
5	Computer Programmer	Advanced Multimedia package	NIIT Bengaluru	To create learning tools	VB.net and Sql Server 2008 – 05 days NAARM – Adobe CS5 package – 11 days
6	Administration	Accounts/ Administration	-	To acquire knowledge about the recent developments for proper implementation	Nil

B. Cross-learning across KVKs

S. No	Name of the KVK proposed	Purpose	Mode of learning
1	KVK Shimoga	Exchange of technical knowledge regarding horticulture and agriculture crops	Interactive meetings, discussions, visits.
2	KVK, Udupi		
3	K H Patil KVK, Hulkoti	Sharing of technology on soya fortification and Amla value addition	Visits and discussions
4	KVK,Tukanatti	Sharing of new technologies in Home science	Personal visit, Phone and E-mail
5	KVK,Haveri	Exchange of technical knowledge on field crops	Visits & discussions
6	KVK,Dharwad	Development of modules and demonstration units	Visits and discussions
7	KVK,Hirehalli	Post harvest technology and value addition and sharing of technical knowledge pertaining to Horticulture crops.	Visits and discussions
8	Krishi Vigyan Kendra, Ahamadanagar	To learn advanced ICT applications in agriculture	Visits and Discussions
9	KVK,Kollam		

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

S.No.	Name of the KVK included in the cluster	Nature of sharing		
		Knowledge/expertise	Resources (facilities and products)	Activities
1	KVK Gadag	Rain harvest ,Value addition		
2	Krishi Vigyan Kendra, Tumkur	IIHR Released technologies		
3	KVK,Shimoga	Production technology of Paddy and horticulture crops		
4	KVK,Brahmavar	Production technology of Paddy and horticulture crops		
5	KVK, Haveri	Improved technology & Seed material		
6	KVK, Dharwad	Seed materials and demonstration units		

6. Plan of Work for 2012-13

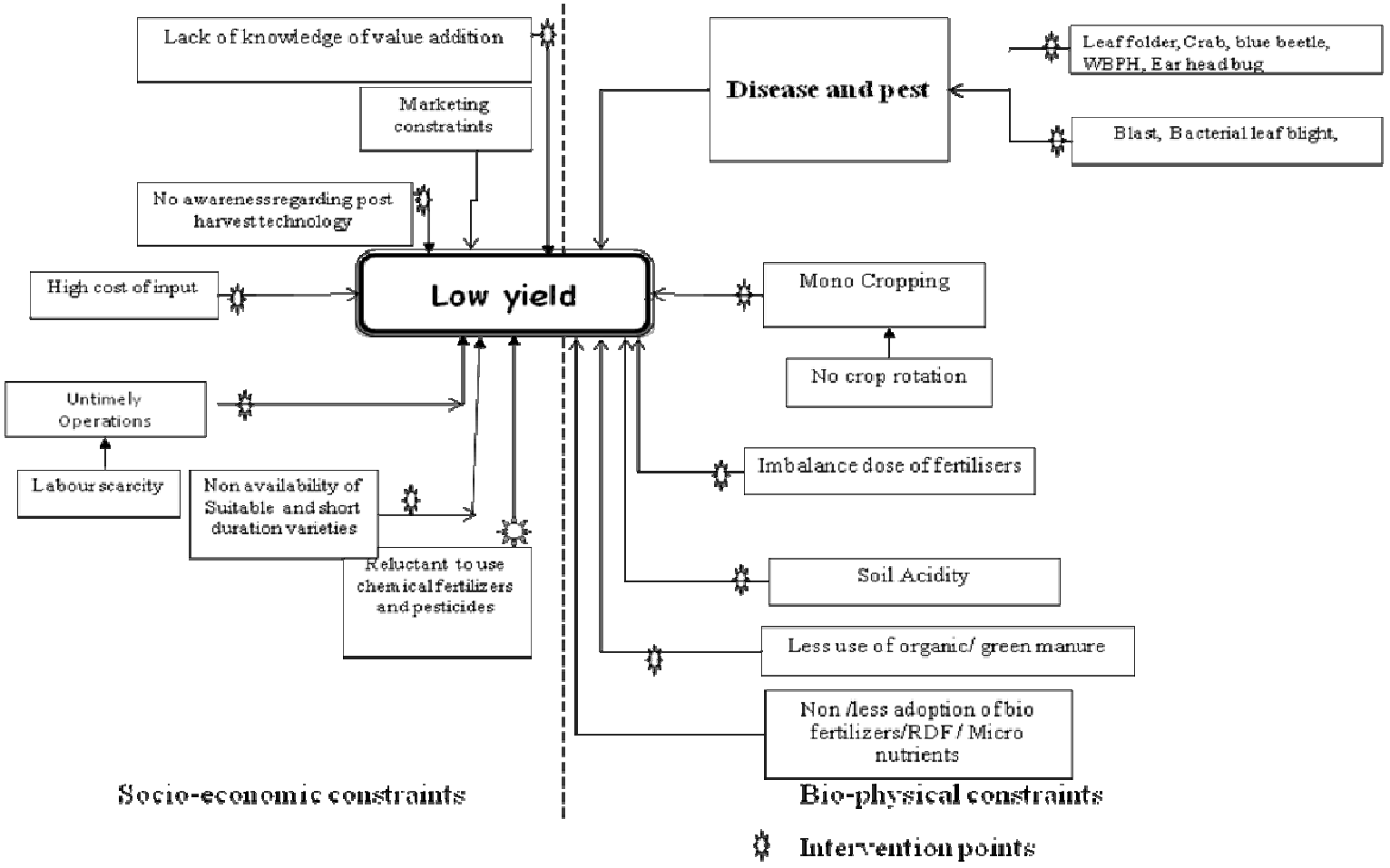
A. Operational areas details proposed

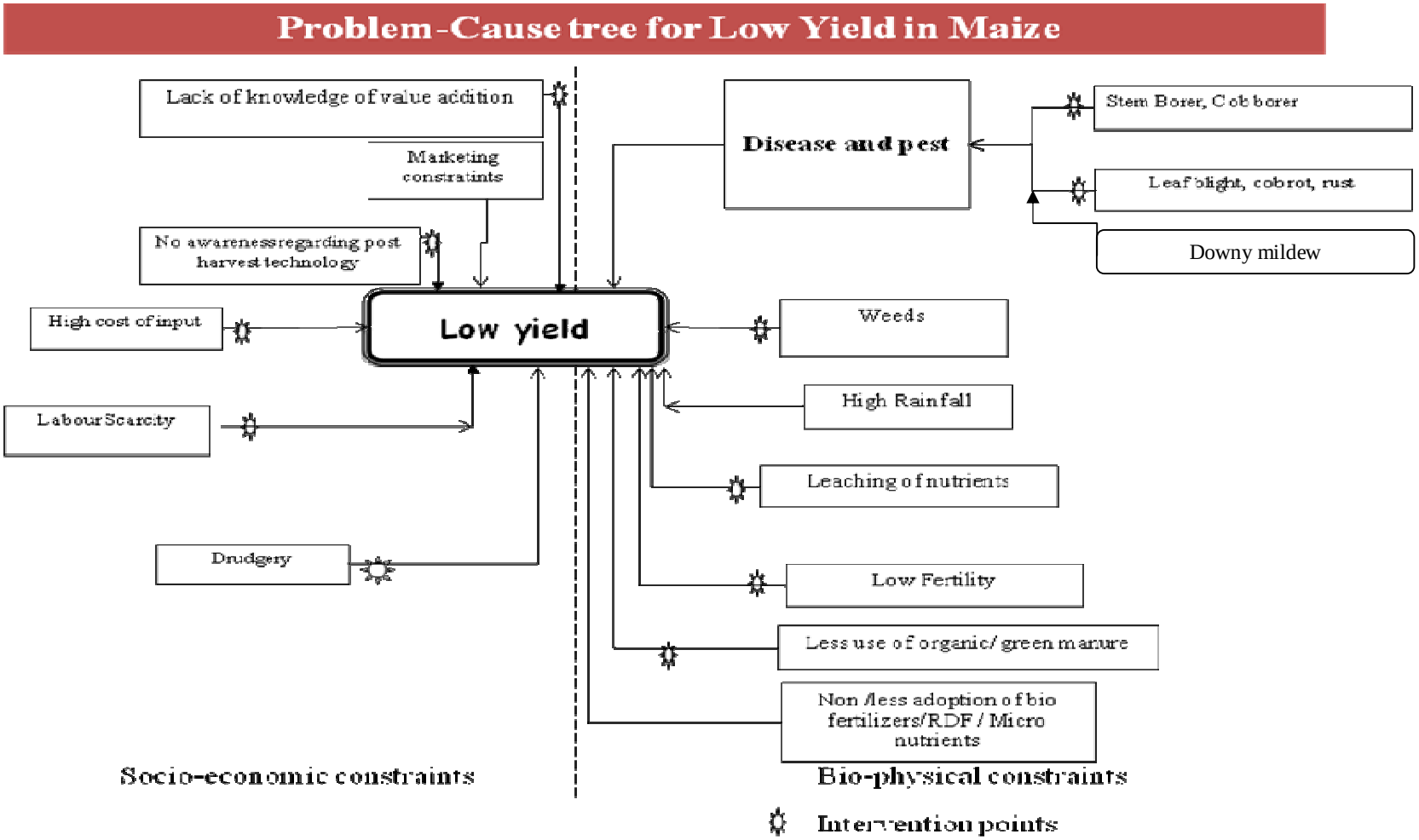
S.No.	Taluk/ block	Name of cluster villages		Major crops & enterprises being practiced	Major problems identified	Identified thrust areas based on problems	If existing from which year Please state
		Existing	New				
1	Sirsi	Manjuguni, Isloor, Banavasi Hegdekatta, Vaddinakoppa Maragundi	Yadurbail Hallusarge Sonda Dodnalli Gadigehole Golikoppa Dasanakoppa	Paddy, Banana, Pineapple, Ginger, Maize Arecanut based mixed cropping system, Pulses	Nutrient deficiency, Pest and disease, labour scarcity	High Yielding Variety INM IPM Mechanization, post harvest technology Value addition	2011
2	Siddapur	Avarakoppa, Heruru Harsikatta Bidarakhan	Heruru Kallur Kol Sirsi Taragod	Paddy, Banana, Arecanut based mixed cropping system,Pulses	Nutrient deficiency, Pest and disease, labour scarcity		
3	Kumta	Aghanashini Mirjan	Gokarna Aghanashini Nadumaskeri Harumaskeri Bankikodlu	Paddy, Groundnut, Pulses, Coconut , Arecanut,cashew	Paddy fallows, Pest and disease, nutrient deficiency, lack of knowledge of suitable varieties		2011
4	Mundagod	Jenmuri, Ganeshpur	Katuru Pala Arishinageri Kariginakoppa	Cotton, Maize, Paddy, sugarcane, mango, and pulses	Poor soil fertility, Pest and diseases		2009
5	Joida	Gund	Gund Tammanige	Paddy, Arecaut, Blackpepper, B anana, Pulsese	Pest and diseases, processing		2011
6	Haliyal		Buntaragali, Sankanakappa Kavalavadi	Maize, Cotton and sugar cane	Poor soil Fertility, Pest and diseases		

B. Prioritized problems and KVK interventions proposed

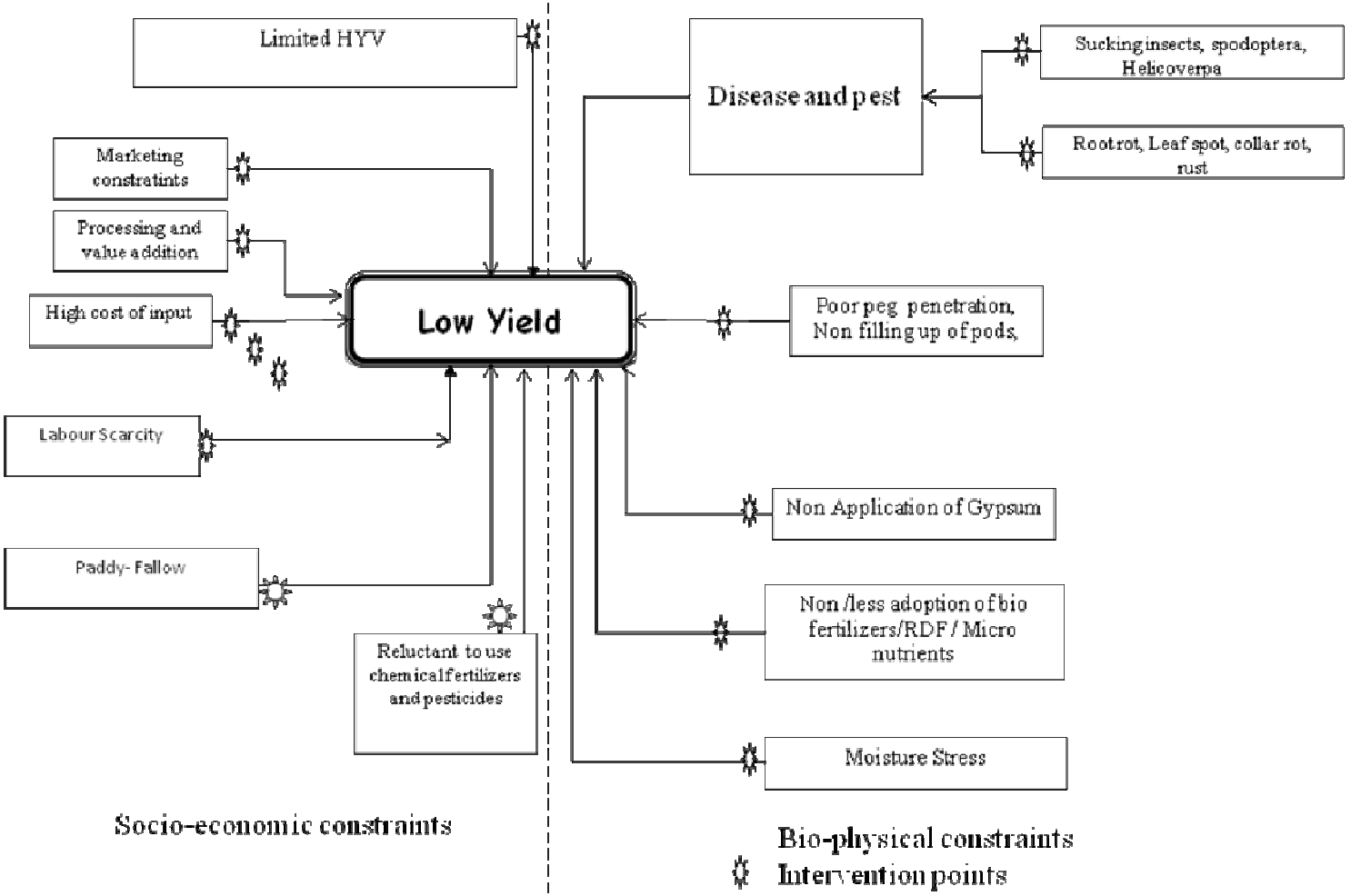
Crop/ enterprise	Taluk/ block	Prioritized problems	Technological solution	Interventions proposed (please tick)					
				Technology Assessment	Technology Refinement	FLD	Training	Extension programmes	Production of technology inputs
Paddy	Sirsi Siddapur Joida	Nutrient deficiency Pest and Disease Labour	Introduction of new and improved varieties INM IPM Mechanization Value addition	✔ ✔ 		 ✔ ✔ ✔ 	✔ ✔ ✔ ✔ ✔	✔ ✔ ✔ ✔ 	✔
Maize	Banavasi, Mundagod, Haliyal, Yellapur	Nutrient deficiency Weeds Stem borer	ICM			✔	✔	✔	
Ground Nut	Sirsi, Siddapur, Kumta, Mundagod	Low yield, Poor peg penetration Spodoptera, Leaf minor, Collar Rot.	ICM	✔		✔	✔	✔	
Pulses	Sirsi, Siddapur, Kumta, Mundagod	Mono cropping, Paddy Fallows, Lack of knowledge of varieties	ICM			✔	✔	✔	✔
Arecanut based mixed cropping (Black peper, Cardamom etc)	Joida, Sirsi,Siddapur, Kumta	Nutrient deficiency, Disease and pest, processing, drainage management , plant propagation methods	INM, IPM, CMS, Processing and value addition	✔		✔	✔	✔	
Minor forest products and other vegetables and fruits	Joida, Sirsi,Siddapur, Kumta	Storage loss, wastage, no knowledge about processing and value additon	Processing and value addition	✔			✔	✔	
Post harvest activities	Joida, Sirsi, Siddapur, Kumta	Drudgery	Drudgery reduction			✔	✔	✔	

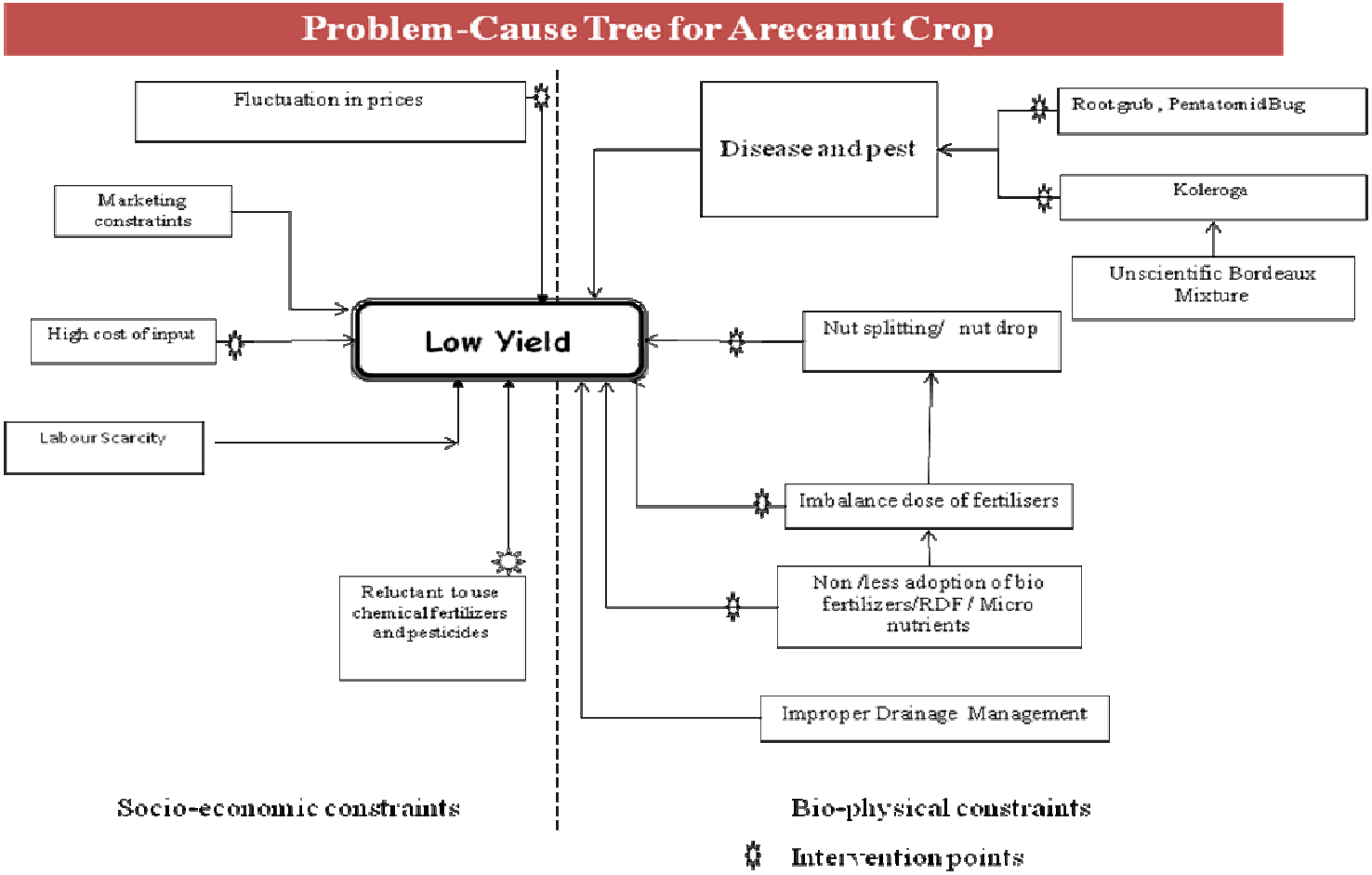
Problem-Cause tree for Low Yield in Paddy



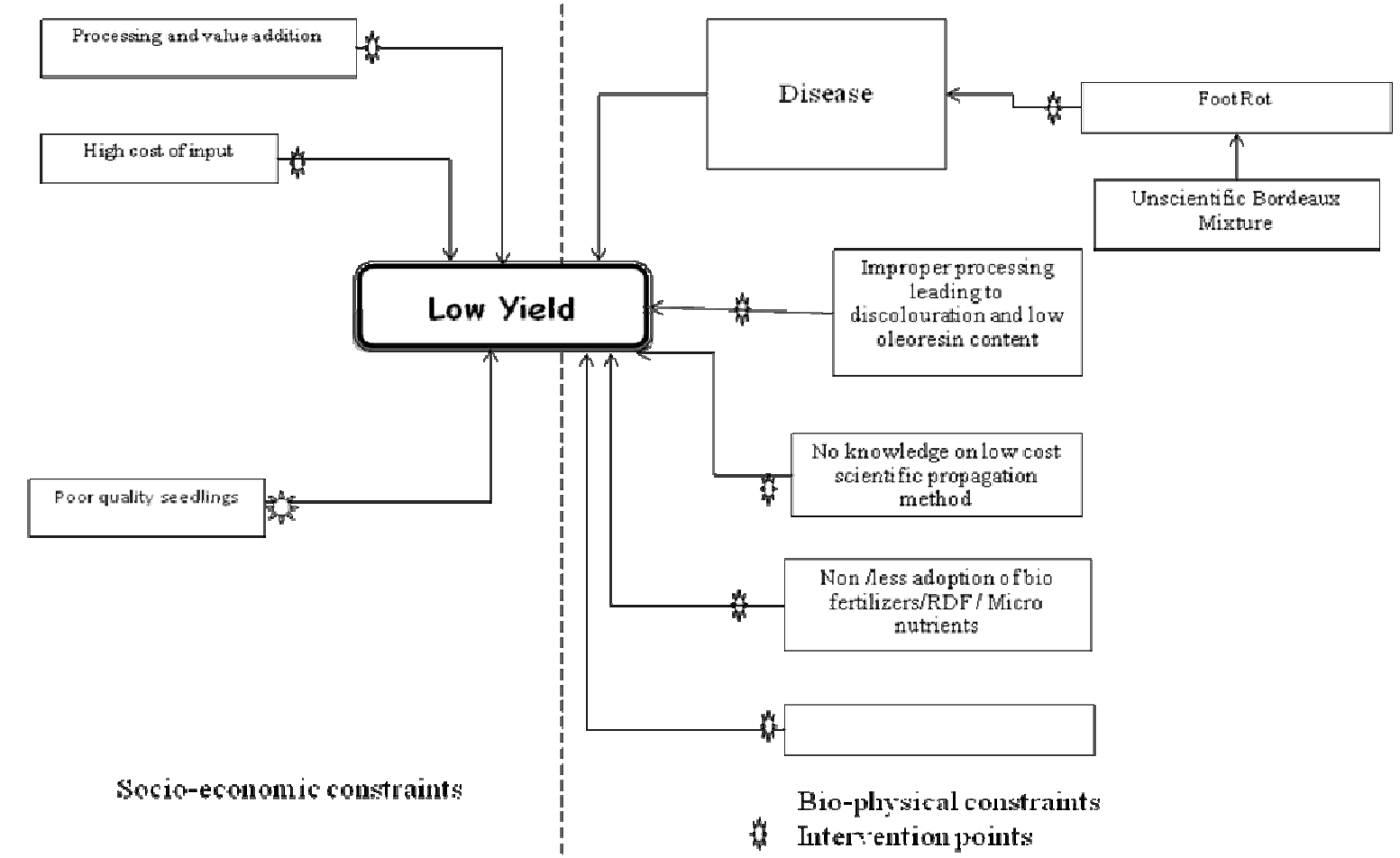

Problem-Cause tree for Low Yield in Maize
Lack of knowledge of value addition
Marketing constraints
No awareness regarding post harvest technology
High cost of input
Labour Scarcity
Drudgery
Low yield
Disease and pest
Stem Borer, Cob borer
Leaf blight, cobrot, rust
Downy mildew
Weeds
High Rainfall
Leaching of nutrients
Low Fertility
Less use of organic/ green manure
Non /less adoption of bio fertilizers/RDF / Micro nutrients
Socio-economic constraints
Bio-physical constraints
Intervention points

Problem-Cause Tree for Pulses & Oil Seeds




Problem-Cause Tree for Arecanut Crop
Fluctuation in prices
Marketing constratints
High cost of input
Labour Scarcity
Low Yield
Reluctant to use chemical fertilizers and pesticides
Disease and pest
Root grub , Pentatomid Bug
Koleroga
Unscientific Bordeaux Mixture
Nut splitting/ nut drop
Imbalance dose of fertilisers
Non /less adoption of bio fertilizers/RDF / Micro nutrients
Improper Drainage Management
Socio-economic constraints
Bio-physical constraints
Intervention points

Problem-Cause Tree for Blackpepper



Details of technological interventions

A. Technology Assessment

S.No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technological options	Source	No. of trials	Details of inputs	Total cost involved (Rs.)	Names of the team members involved
1	Paddy	Crab damage	Eco friendly Management of Crabs in Paddy	TO 1. Application of Phorate 2.5 kg/ha					Roopa S P Vinuta U.M S.S.Murthy
				TO 2 : Nil					
				TO 3. Broad casting of Crushed *Randia spinosa* fruits 20kg /ha + Ash 2 kg /ha	ARS, Sirsi	5	*Randia Spinosa* Fruits-40 kg	400.00	
							Total :	**400.00**	
2	Paddy	Ear head bug	Eco friendly approach to manage ear head bug in paddy	TO 1: Different chemical insecticides					Roopa S P Vinuta U.M S.S.Murthy
				TO 2:Spraying with Malathion 50 EC 2 ml /ltr 2 sprays at 15 days interval	UAS Dharwad		Malathion 50EC 2.0 lt/ha	700.00	
				TO 3:Spraying with Nimbicidine 300 ppm 3 ml/ltr, 2 sprays at 15 days interval	ARS, Sirsi	5	Nimbicidine 300ppm 3.0 lt/ha	1200.00	
							Total:	**1900.00**	
3	Paddy	Cropping system in Paddy fallows	Evaluation of Alternate crops during Summer season	TO 1 : Paddy					S.S.Murthy Roopa S P
				TO 2:	UAS Dharwad				
				TO 3: Maize + Cowpea		5	Maize seeds 3kg Cowpea seeds 4kg	1500.00 1200.00	
							Total :	**2700.00**	
4	Paddy	Non availability of short duration varieties for summer	Introduction of KMP 105 short duration paddy variety for summer	TO 1: Rasi					S.S.Murthy Roopa S P Vinuta U.M
				TO 2: Rasi					
				TO 3: KMP-105 (Short duration of 110-115 days and tolerance to blast	UAS, Bangalore	5	KMP 105 12.5 kg	1250.00	
							Total :	**1250.00**	

5	Jack fruit	Wastage of fruit Low price for fruit	Preparation of Jackfruit leather	TO 1: Ordinary drying					Vinutha U.M H.G.Hegde
				TO 2: Drying with addition of preservatives KMS 0.1 g/kg pulp	UAS, Bangalore				
				TO 3: RP + heating the pulp to 70 degrees	DFID,UK	5	Jackfruit 25 fruits Trays- 5 trays KMS- 25 gms Sugar- 5kg	1250.00 1000.00 50.00 200.00	
							Total :	**2500.00**	
6	Cardamom	High Production cost of quality seedlings	Production of Quality seedlings in cardamom through CMS technology	TO1 : Raised seed beds		5			H.G.Hegde
				TO2 : Raised seed beds					
				TO3 : CMS	IIHR, Bangalore		Plastic sheet (3'X2") Carbendazim 80WP- 250g GI Wire- 25 m Cardamom seeds- 1250 gm	2500.00	
							Total :	**2500.00**	
7	Chula	Fuel inefficiency and drudgery	Assessment of fuel efficient ecofriendly chula	TO1: Traditional Chula		5			Vinutha U. M. S.S.Murthy H.G.Hegde
				TO2: Envirofit Chula	Colorado University, USA		Envirofit Chula (Single burner)- 1 set	1000.00	
				To3: Selco Chula	Selco,India		Selco Chula (Single burner) – 1 set	1000.00	
				TO4: Sampada Gasifier Stove	Samuchit Enviro Tech Pvt Ltd, Pune		Sampada Gasifier stove – 1 set	2000.00	
							Total	**4000.00**	
							Grand Total:	**15250.00**	

C. Frontline Demonstrations

S.No.	Category/ Crop or enterprise	Prioritized problem	Title of Technology	Source	No. of Demo	Area (ha)/ Units	Details of critical inputs	Total cost involved (Rs.)	Names of the team members involved
A	**CEREALS & MILLETS**								
1	**Paddy**	Low yield due to poor fertility	ICM In Paddy	UAS Dharawad	25	10	Azospirillum-375 g PSB-375 g ZnSO4-20 kg WSF (19 all)-10 kg Carbendazim 80 wp 150g/ha Tricyclazole- 500g/ha Pheromone traps with Scirpophaga incertullas lures-8 traps + 32 lures Chlorpyrifos 20 EC – 2 l/ha N. rileyi (1X1011conidia /ml @ 2g/l) –2 kg/ha Malathion 50 EC – 1.5 L/ha Soil Testing	15.00 15.00 900.00 1200.00 120.00 750.00 800.00 700.00 650.00 600.00 225.00	S.S.Murthy Roopa S.P Vinutha U M
							Total/ha:	5975.00	
							Total for 10 ha	**59750.00**	
2	Paddy	Labour Scarcity Lack of knowledge of agricultural enterprise.	Popularisation and use of Mechanized paddy transplanter as IG activity through commodity groups	UAS,Dharwad	10	5	Hiring charges Plastic Sheets	6000.00 500.00	Vinutha U M S.S.Murthy Roopa S.P
							Total/ha:	6500.00	
							Total for 5 ha	**32500.00**	
3	Maize	Low yield due to Poor fertility and Weeds	Integrated Nutrient and weed management in Maize.	UAS Dharwad	12	5	Atrazine 2 kg /ha MOP – 64 kg/ha ZnSO4- 25 kg/ ha	700.00 500.00 1250.00	S.S.Murthy Roopa S.P Vinutha U M
							Total/ha:	2450.00	
							Total for 5 ha	**12250.00**	

B	**OILSEEDS**								
1	Ground nut	Spodoptera, Leaf Miner & Collar Rot Poor Peg Penetration, Poor fertility & Poor yield, drudgery in stripping pods	ICM In Ground nut	UAS Dharawad	12	5	Carbaxin 75 WP, 3g/Kg Seeds – 300 g/ha Rhizobium-2.5 Kg/ha Gypsum - 500 kg/ha Profenophos 50 EC, 2ml/l -1 L / ha Nomuraea rileyi 1X1011conidia /g @ 2 g/l – 1 kg/ha Difenaconazole 25 EC, 1ml/l - 500 ml/ha Bajra seeds(ICTP802) 500g	420.00 75.00 1700.00 490.00 300.00 1400.00 12.00	Roopa S.P S.S.Murthy Vinutha U M
							Total / ha	4397.00	
							Stripper(2 nos)	6400.00	
							Total for 5 ha	**10797.00**	
C	**PULSES**								
1	Black gram	Low yield Poor fertility Sucking Pest and Powdery mildew	ICM In Black Gram	UAS Dharwad	25	10	Seeds -20 kg (DU-1) Rhizobium-375 g PSB – 375 g Trichoderma-80 g Rock phosphate-1q Dimethoate 30EC 1 l Hexaconazole 500ml	1400 .00 15 .00 15.00 200.00 350.00 500.00 500.00	S.S.Murthy Roopa S.P Vinutha U M
							Total / ha	2980.00	
							Total for 10 ha:	**29800.00**	
2	Green Gram	Low yield Poor fertility Sucking Pest and Powdery mildew	ICM In Green Gram	UAS Dharwad	25	10	Rhizobium-375 g PSB – 375 g Trichoderma-80 g Rock phosphate-1q Dimethoate 30EC 1 L Propiconazole 500 ml	15.00 15.00 200.00 350.00 500.00 500.00	S.S.Murthy Roopa S.P Vinutha U M
							Total / ha	1580.00	
							Total for 10 ha:	**15800.00**	

D	**COTTON**								
1	Bt Cotton	Sucking Insects and Black arm disease	IPM in Bt Cotton	UAS Dharwad	25	10	Bhendi seeds 1.25 kg/ha Acetamaprid 20 Sp, 0.2 g /l – 100 g/ha Streptocyclin 0.5g/l 250g/ha Copper Oxy chloride 3g/l -1.5 l/ha	350.00 160.00 1680.00 660.00	Roopa Patil S.S.Murthy
							Total/ha	2850.00	
							Total for 10 ha	**28500.00**	
F	**HORTICULTURAL CROPS**								
1	Arecanut	Root grub menace	Management of arecanut root grubs through entemopathogenic fungi	UAS,Dharwad	20	40 palms/ demo	*Metarizium anisopliae* $1X10^{11}$ conidia/g – 1kg @ 20g/palm	200.00	Roopa S.P. H.G.Hegde
							Total for 20 demos:	**4000.00**	
2	Black Pepper	Poor quality pepper	Processing of quality black pepper	UAS Dharwad	15	-	200 gauge UV resistant polythene sheet @ 14sq.m/farmer	700.00	H.G.Hegde Vinutha U M
							Total for 15 demos:	**10500.00**	
3	Black Pepper	Foot rot	Foot rot management of black pepper	UAS Dharwad	10	250 vines	200 gauge UV resistant polythene sheet @ 1.25 sq.m /vine Neem cake 1 kg / farmer Trichoderma 50g/vine	1720.00 200 .00 150.00	H.G.Hegde
							Total /demo	**2070.00**	
							Total for 10 demos:	**20700.00**	
4	Mango	Drudgery in harvesting	Popularization of mango harvester	IIHR,Bangalore	10	-	Mango harvester – 10 nos	300.00	
							Total:	**3000.00**	
							Grand Total	**2,27,597.00**	

D. Trainings

i) Farmers/ Farm Women

S.No.	Crop / Enterprise	Major problem	Linked field intervention (Assessment/ Refinement/FLD)*	Training Course Title**	No. of Courses	Names of the team members involved
1	Paddy	Low yield Poor Fertility	FLD	Nutrient Management in Paddy	10	S.S.Murthy,
2	Paddy	Leaf Folder, Ear head bug, Stem borer, bluebeetle, and Blast diseases	FLD	Identification of insect pests and diseases, nature of damage, IPM practices, Safe use of pesticides, Importance of pheromone traps in monitoring of insect pests, Organic pesticides	05	Roopa S Patil
3	Paddy	Value addition to Paddy		Value addition of Paddy	02	Vinutha U M
4	Maize	Low yield Poor Fertility Weeds	FLD	Production technology in Maize	04	S.S.Murthy,
5	Maize	Stem borer, Cob Borer, Shoot fly, downy mildew, leaf blight	FLD	Insect pests, damage symptoms, management aspects	04	Roopa S Patil
6	Maize	Low income Value addition	Demonstration	Importance of maize in human diet, Value addition	02	Vinutha U M
7	Grount nut	Poor Yield Poor fertility Poor peg penetration	FLD	INM in Ground nut	04	S.S.Murthy,
8	Ground nut	Spodoptera Leaf miner Root grub Collar rot	FLD	Identification of insect pests and diseases, seed treatment, nature of damage, IPM practices, Safe use of pesticides	04	Roopa S Patil
9	Green gram Black gram	Low yield	FLD	Seed treatment, Importance of biofertilisers, cultivation aspects, insect and disease management, post harvest	05	S.S.Murthy, Roopa S Patil Vinutha U M

				technologies		
10	Pepper	Low yield Insect pest and diseases	FLD	Production technology in Pepper, Integrated management of foot rot, CMS method of plant propagation, processing	05	H.G.Hegde Roopa S Patil
11	Cardamom	Low yield Insect pest and diseases	OFT	Production technology in Cardamom	04	H.G.Hegde Roopa S Patil
12	Arecanut	Low yield Nut drop Root grub	FLD	Production aspects, Drainage management, Integrated management of root grub and kole roga, Preparation of plant extracts, bordo mixture, skills in wrapping plastic to areca	04	H.G.Hegde Roopa S Patil
13	Arecanut	Low income	-	Income generating activity in Arecanut	02	Vinutha U M
14	Ginger	Soft rot diseases	-	Integrated Management of insects and diseases in ginger.	02	H.G.Hegde Roopa S Patil
15	Vegatables	Mal nutrition	Demonstration	Importance Nutritional garden,	03	Vinutha U M S.S.Muthy
16	Vegetables	Spoilage of vegetables	-	Preservation of Vegetables with low cost method	03	Vinutha U M S.S.Muthy
17	IG Activity	Drudgery and Low income	FLD	Income generating activity for SHG Memebrs	03	Vinutha U M S.S.Muthy
18	Nutrition	Nutrition management of mothers and children	-	Nutrition and care of Pregnant, nursing mothers and children	03	Vinutha U M
				Care of women during menopause	02	Vinutha U M
19	Value addition & IGA	Wastage, processing loss and lack of knowledge	OFT, Training	Care of underutilized minor forest fruits of UK.	05	Vinutha U M H G Hegde
20	IG Activity	Lack of knowledge of non timber forest produce	-	Proper utilization and cultivation of non timber forest produces for additional income	05	H G Hegde Vinutha U M
					81	

ii) Rural Youth

S.No.	Crop / Enterprise	Major problem	Linked field intervention (Assessment/ Refinement/FLD)*	Training Course Title**	No. of Courses	Names of the team members involved
1	Paddy	Non availability of Organic Manures	-	Importance of organic manures on soil fertility, Preparation of different types of Compost, vermicompost	02	S.S.Murthy, Vinutha U M Roopa S Patil
2	Home science	Low Market price for Paddy	-	Value addition in Paddy	02	Vinutha U M S.S.Murthy
2	Ground nut	Poor peg penetration Poor fertility	FLD	Gypsum and Lime application in Groundnut	02	S.S.Murthy, Vinutha U M Roopa S Patil
3	Paddy	Insect pest and disease	OFT & FLD	Identification of insect pests and diseases, nature of damage, IPM practices, Safe use of pesticides, Importance of pheromone traps in monitoring of insect pests, Organic pesticides	02	Roopa S Patil, Vinutha U M
4	Home science	Value addition in Maize	-	Value addition in Maize	02	Vinutha U M S.S.Murthy
5		Labour scarcity & drudgery	FLD,OFT	Use of drudgery reducing equipments in different crops	05	Vinutha U M S.S.Murthy
6	Pepper	Poor quality planting Material	-	Producing Quality Planting Material through CMS techniques	02	H.G.Hegde
7	Fodder crops	Scarcity of Fodder during summer		Production Fodder Bajra and legumes during summer	02	S.S.Murthy, Vinutha U M Roopa S Patil
8	IG Activity	Lack of knowledge	-	IG activities for Uttara Kannada	04	Vinutha U M H.G.Hegde
					23	

iii) Extension Personnel

S.No.	Crop / Enterprise	Major problem	Linked field intervention (Assessment/ Refinement/FLD)*	Training Course Title**	No. of Courses	Names of the team members involved
1	Maize	Lack of knowledge of newly released varieties, Weedicides. Nutrient Management water harvesting,	FLD	ICM IN Maize	02	S.S.Murthy Roopa S.P. Vinutha U.M.
2	Paddy	Lack of knowledge IPM Practice, Use of bioagents and compatibility of different pesticides	FLD	IPM in Paddy	02	Roopa S.P. S.S.Murthy
3	Ground nut	Lack of knowledge IPM Practice, Use of bioagents and pesticides	FLD	IPM in Ground nut	02	Roopa S.P. S.S.Murthy
3	Pepper and Cardamom	Lack of Knowledge on Scientific Production technology for Pepper and Cardamom	FLD OFT	Advanced production Technology in Pepper and Cardamom	02	H.G.Hegde
4	Home Science	Lack of knowledge on IGA and Value addition, Drudgery	Trainings OFT FLD	Value addition of Fruits Income generating activity Use of drudgery reducing equipments	03	Vinutha U.M.
5	Animal science	Non availability Nutritious fodder	Demonstration	Azolla -a feed for milch animals	01	S.S.Murthy Vinutha U.M.
					12	

iv) Vocational trainings

Crop / Enterprise	Training title*	No. of programmes and Duration (days)	Type of Clientele (SHGs, NYKs, School students, Women, Youth etc.)	Names of the team members involved
Blackpepper & Cardamo m	production technology, propagation methods, plant protection	01(03)	Farm youths, SHGs	H.G.Hegde Roopa S P
	IG activities though under utilized non timber forest produces	01(02)	Farm youth, women SHG	H.G.Hegde Vinutha U M
Vermicompost	Verm icomposting, Scientific composting methods	01(2)	Farm youths,SHGs	Vinutha U M Roopa S P S.S.Murthy
Fodder and Manures	Azolla Production	01(2)	Farm youths	Vinutha U M S.S.Murthy
Home Science	Preparation of value addition of indigenous fruits of Uttar kannada	02 (07)	Members of SHGs, School drop outs, NGO and school children	Vinutha U M H G Hegde S.S.Murthy
	Bakery product preparation	02(03)	Women SHG	Vinutha U M
	Dress designing and embroidery on saree	01(15)		
Apiary	Bee keeping and value addition of honey	01(05)	Youths and women SHG	Roopa S.P. Vinutha U M
		10		

v) Sponsored trainings

Crop/ Enterprise	Sponsoring Organization	Training course title*	No. of Courses	Names of the team members involved
Agriculture and allied	KSDA	ICM in Field crops under Bhoochetana Programme	02	H.G.Hegde Roopa S.P Vinutha U M .S.S.Murthy
Horticulture	Horticulutre Dept.	Integrated training for horticulture trainees	01	H.G.Hegde Roopa S.P Vinutha U M .S.S.Murthy
Agriculture and allied	SKDRDP	Production technology of agriculture and horticulture crops, post harvest technology, value addition	02	H.G.Hegde Roopa S.P Vinutha U M .S.S.Murthy
			05	

E. Extension programmes

Month	Extension programme*	Linked field intervention**	Expected category of participants	Names of the team members involved
Apr-2012	Training/ Method Demonstrations/ Bhoo Chetana training programmes	FLD / OFT/	150	H.G.Hegde ,S.S.Murthy,Roopa S.P. Vinutha U M
May, 12	Training/ Method Demonstrations/ Bhoo Chetana training programmes / participation in Krishi Jayanti, Popularization of Kokum products	FLD / OFT/ Exhibition	200	H.G.Hegde ,Roopa S.P., Vinutha U M, S.S.Murthy
Jun, 12	Interface meeting with line departments, demonstrations, Trainings, Popularization of Jackfruit products through Mela	FLD / OFT/ Trainings/ arrangement of melas	200	H.G.Hegde ,Roopa S.P., Vinutha U M, S.S.Murthy
Jul, 12	Group meeting/ Training/ Method Demonstrations/Field visits	FLD / OFT/Off Campus and On campus training	100	H.G.Hegde ,Roopa S.P., Vinutha U M, S.S.Murthy
Aug, 12	Group meeting/ Training/ Method Demonstrations/Field visits	FLD / OFT/Off Campus and On campus training	150	H.G.Hegde ,Roopa S.P., Vinutha U M, S.S.Murthy
Sept, 12	Rabi Campaign involving line departments/ ZP/ TP/ GP members	FLD / OFT/Off Campus and On campus training/ Field days	120	H.G.Hegde ,Roopa S.P., Vinutha U M, S.S.Murthy
Oct, 12	Field day, Rabi campaign/ Farm field day	Improved cultivation practices/ schemes of line dept. & solution to the field problems Attending Krishi mela	1500	H.G.Hegde ,Roopa S.P., Vinutha U M, S.S.Murthy
Nov, 12	Field day, Rabi campaign/ Farm field day	FLD / OFT/ Off Campus and On campus training/	1320	H.G.Hegde ,Roopa S.P., Vinutha U M, S.S.Murthy
Dec, 12	Field visits/ Exhibitions	FLD / OFT/ Off Campus and On campus training	550	H.G.Hegde ,Roopa S.P., Vinutha U M, S.S.Murthy
Jan, 13	Group meeting/ Training/ Method Demonstrations/ Field visits	FLD / OFT/ Off Campus and On campus training	150	H.G.Hegde ,Roopa S.P., Vinutha U M, S.S.Murthy
Feb, 13	Group meeting/ Training/ Method Demonstrations/ Field visits/Exhibitions	FLD / OFT/ Off Campus and On campus training	80	H.G.Hegde ,Roopa S.P., Vinutha U M, S.S.Murthy
Mar, 13	Group meeting/Training/ Method Demonstrations/Field visits/Exhibitions	FLD / OFT/ Off Campus and On campus training	50	H.G.Hegde ,Roopa S.P., Vinutha U M, S.S.Murthy
			4570	

8. Activities proposed as Knowledge and Resource Centre

A. Technological knowledge

Category	Details of technologies	Area (ha)/ Number	Names of the team members involved
Technology Park/ Crop cafeteria	IFS Model	01	H.G.Hegde Roopa S P V.U.Muktamath S.S.Murthy
Demonstration Units	Azolla unit, Bio-digester Vermi Composting	01 01 01	H.G.Hegde Roopa S P V.U.Muktamath S.S.Murthy
Lab Analytical services	Cardamom seed treatment	-	Dr. H.G.Hegde
Technology Week	Production technology of field and horticulture crops, IGA and exhibition Interface meeting between sellers and buyers Marketing and scientific packaging	-	H.G.Hegde Roopa S V.U.Muktamath S.S.Murthy

B. Technological Products

Category	Name of the product	Quantity (Qtl.)/ Number	Names of the team members involved
Seeds	Sunhemp, Paddy(Intan) Vegetable kit	1 q 30 q 50 Nos	S.S.Murthy Vinutha U M
Planting materials	Nutmeg Pepper	1000 Nos 1000 Nos	H G Hegde S.S.Murthy
Bio-products	Root harmone	100 Nos	H G Hegde Vinutha U M S.S.Murthy

C. Technological Information

Category	Technological capsules / Number	Names of the team members involved
Technology backstopping to line departments	**ICM IFS Processing and Value addition**	H G Hegde Roopa S P Vinutha U M S.S.Murthy
Agriculture	15	
Horticulture	20	
Animal Husbandry	04	
Fisheries		
Agricultural Engineering		
Sericulture		
Literature/publication	10	
Electronic Media	10	
Kisan Mobile Advisory Services	1000	

9. ADDITIONAL ACTIVITIES PLANNED

S.No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
1	NABARD	IG Activity – Home stead pineapple cultivation	100 units and 500 pineapple suckers per unit	150000	Dr. Hemant G Hegde Roopa S Patil Vinuta U Muktamath, Shivashenkarmurthy M,
2	NHM	Value addition of amla, jackfruit, Ginger	Demo units	500000	Vinuta U M H.G.Hegde S.S.Muirthy
3	Cocoa Board	Home made Chocolate preparation	Demonstration, training to SHGs	300000	Vinuta U M H.G.Hegde

10. Revolving Fund

A. Financial status

Opening balance as on 01.04.2011 (Rs.in Lakh)	Expenditure incurred during 2011-12 (Rs.in Lakh)	Receipts during 2011-12 (Rs.in Lakh)	Closing balance as on 31.01.2012 (Rs.in Lakh)
1.73	**0.45**	**2.69**	**4.01**

B.Plan of activities

S.No.	Proposed activities	Expected output	Anticipated income (Rs.)	Names of the team members involved
1	Paddy seed production	30 qtl	45000.00	Shivashenkarmurthy Vinuta U Muktamath Roopa S Patil
2	Sunhemp	2 qtl	6000.00	
3	Pepper seedling production	1000 No.s	5000.00	H.G.Hegde Shivashenkarmurthy Vinuta U Muktamath Roopa S Patil
4	Nut meg seedlings	1000 No.s	5000.00	
5	Sapota	3000 kgs	30000.00	
6	Cashew	1000 kg	20000.00	
7	Vermi composting	20 kg worms	6000.0	H.G.Hegde Roopa S Patil Vinuta U Muktamath, Shivashenkarmurthy
8	Root Hormone	6kg	7000.00	
9	Bio-digester	20	30000.00	
9	Azolla Multiplication	-	2000.0	
10	Trichoderma	100kg	12500.00	
			168500.00	

11. Activities of soil, water and plant testing laboratory

Type	No.of samples to be analyzed	Names of the team members involved
Soil	**250**	Shivashenkarmurthy
Water	**200**	
Plant	-	
Others		

12. E-linkage

S. No	Nature of activities	Likely period of completion (please set the time frame)	Remarks if any
1	Creation of web-site		Exists
2	Title of the technology module to be prepared – IPM in Paddy	Jan-2013	
3	Creation and maintenance of relevant database system for KVK	June 2012	Group project under ZPD
4	Any other (Please specify)	Creation of Training Demonstration tools Multimedia	

13. Activities planned under Rainwater Harvesting Scheme (only to those KVKs which are already having scheme under Rain Water Harvesting)

S. No	Activities planned	Remarks if any

14. Innovative Farmer's Meet

Particulars	Details
Are you planning for conducing Farm Innovators meet in your district?	Yes/ No
If Yes likely month of the meet	October 2012
Brief action plan in this regard	Workshop and exhibition

15. Farmer's Field School planned

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.
1	**ICM**	**Integrated Crop Management in Groundnut**	**25000.00**

16.Budget

A. Details of budget utilization (2011-12) upto 31 January 2012

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	29,97,300	29,97,300	32,02,008
2	**Traveling allowances**	1,00,000	1,00,000	1,01,918
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance	1,75,000	1,75,000	83,461
B	POL, repair of vehicles, tractor and equipments	1,30,000	1,30,000	69,220
C	Meals/refreshment for trainees	75,000	75,000	53,232
D	Training material	25,000	25,000	16,971
E	Frontline demonstration except oilseeds and pulses	2,50,000	2,50,000	1,92,492
F	On farm testing	55,000	55,000	43,405
G	Training of extension functionaries	20,000	20,000	19,950
H	Maintenance of buildings	20,000	20,000	20,000
I	Establishment of Soil, Plant & Water Testing Laboratory	-	-	-
J	Library	5,000	5,000	1,008
TOTAL (A)		**38,52,300**	**38,52,300**	**38,03,665**
B. Non-Recurring Contingencies				
1	**Works**	-	-	-
2	**Equipments including SWTL & Furniture**	-	-	-
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	-	-	-
4	**Library**	-	-	-
TOTAL (B)				
C. REVOLVING FUND		-		-
GRAND TOTAL (A+B+C)		**38,52,300**	**38,52,300**	**38,03,665**

B.Details of Budget Estimate (2012-13) based on proposed action plan

S. No.	Particulars	BE 2012-13 proposed
A. Recurring Contingencies		
1	**Pay & Allowances**	47,80,000
2	**Traveling allowances**	2,00,000
3	**Contingencies**	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2,25,000
B	POL, repair of vehicles, tractor and equipments	1,60,000
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1,00,000
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	40,000
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	2,50,000
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	60,000
G	Training of extension functionaries	20,000
H	Maintenance of buildings	50,000
I	Establishment of Soil, Plant & Water Testing Laboratory	-
J	Library	5,000
K	* Farrmers Field School	25000
TOTAL (A)		**58,90,000**
B. Non-Recurring Contingencies		
1	**Works**	80,00,000
2	**Equipments including SWTL & Furniture**	-
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	-
4	**Library** (Purchase of assets like books & journals)	30,000
TOTAL (B)		**80,30,000**
C. REVOLVING FUND		-
GRAND TOTAL (A+B+C)		**1,39,20,000**