



Gesellschaft für Technische Zusammenarbeit (GTZ) GmbH  
Technical Cooperation - Federal Republic of Germany



Integration of Tree Crops into Farming Systems Project (ITFSP)

# **Planning Workshop Report on Farmer Trainer Extension Approach for Tree Crop Technologies**

Held at

**Kakamega Golf Hotel**

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## Table of Contents

List of Abbreviations	3
Introduction.	4
Workshop process and presentations	6
Summary of findings of the ITFSP project Review mission	7
Recommendations of the review team	7
Presentation by collaborators	8
Presentation by ITFSP	9
Contributions of ITFSP in the further development of the farmer train farmer extension approach	10
<b>District workplans</b>	
Migori	12
Transmara	13
Kisumu	14
Maseno University	15
Siaya	16
Homa Bay	17
Suba	18
Nandi	19
Kericho	20
Performance indicators and development programme 1999 to 2000	21
Fruit tree Support team development	22
Producer association development	23
Farmer Based Extension Approach Achievement and Targets	24
<b>Appendices</b>	
List of Participants	i
Workshop Timetable	ii

## **List of Abbreviations**

ABLH	Association for Better Land Husbandry
CBO	Community Based Organisation
DAO	District Agricultural Officer
DDA	Deputy Director of Agriculture
DEO	District Extension Officers
DHCO	District Horticulture Crops Officer
FT	Farmer Trainer
FTS	Fruit Tree Specialist
GoK	Government of Kenya
GTZ	Gesellschaft fuer Technische Zusammenarbeit
HCDA	Horticultural Crops Development Authority
ICRAF	International Centre for Research and Agroforestry
ITFSP	Integration of Tree Crops into Farming Systems Project
KARI	Kenya Agricultural Research Institute
M&E	Monitoring and Evaluation
MOALDM	Ministry of Agriculture Livestock Development and Marketing
NGO	Non Governmental Organisation
PC	Project Co-ordinator
PCO	Provincial Crops Officer
PHCO	Provincial Horticultural Crops Officer
PLAN INT.	Plan International
RELD	Research Extension Liaison Division
SDDA	Senior Deputy Director of Agriculture
SMS	Subject Matter Specialist
T&V	Train and Visit
TA	Technical Assistant
TDP	Transmara Development Programme
TOT	Trainer of Trainers
UNI	University (Maseno)



## 1 Introduction

The farmer trainer training and extension approach for tree crop development was initiated in 1996 in Nyanza Province in collaboration with the District Horticultural Crops Officers, NGO staff and farmer trainers.

This approach aims introduce and improve tree/fruit tree development by training already skillful farmers on the job in practical tree propagation and management skills. This training's aimed to enable and encourage them to train other farmers in the vicinity of their villages or in their locations. The extension officers from GOK and NGO's had to change their roles and responsibilities for the implementation of this approach. They were involved in providing the theoretical background of some of the practical training's of the farmer trainers. But changes of the extension officers' role and attitudes were required and part of the training. They were trained to become better facilitators, coordinators and organizers of networks for tree interest groups which were formed by the farmer trainers.

Since then, several training's workshops and village training's have been held for farmer trainers and the facilitating officers in Kisumu, Siaya, Suba, Migori and Homa Bay. In addition to these a number of improved top quality seedlings for scions production have been availed to farmer trainers during the training's either as part of the grafting training or as seedlings from certified sources.

ITFSP jointly with the DHCO's in Migori Kisumu, Siaya ,Suba and Homa Bay is developing an extension concept for the dissemination of tree cropping technologies using Mango production as the transmission belt to develop and disseminate tree crop technologies. The main activities of the farmer train farmer concept were as follows:

- to identify farmers with above average know how about trees who would like to become farmer trainers,
- to identify training sites for on job training workshops for the farmer trainers,
- to organize on the job training workshops for the farmer trainers and officers,
- to facilitate the follow-up farmer trainer training's,
- to monitor and evaluate constraints and achievements,
- to analyze and amend the tree extension approach,

Two orientation and planning workshop with the involved officers were held in Kisumu and Nairobi in 1996 and 1997 respectively, to jointly develop and plan the ongoing activities and to elaborate a plan of operation for the activities in 1997. An project review of ITFSP/GTZ - MOALDM was conducted in May 1997 for the planning of the next project phase. The review team positively validated this extension approach but recommended that ITFSP should hand over the approach as soon as possible to the respective collaborators from Kenya and it should focus more to regional activities.

In July of the same year, the Deputy Director of Agriculture RELD Mr. J.K Ng'eno, who is also the counterpart of ITFSP visited the project areas in Nyanza province and held discussions with the collaborating officers in the various Districts in order to assess how this approach was perceived by the involved actors and how best it could be integrated into the ongoing extension activities..

Since all the actors appreciated the approach and saw that tree extension can be improved it was felt necessary to further plan the activities for the years to come. Therefore an analysis and planning workshop with the collaborators in order to discuss the findings and to chart out a future course of action was held at the Golf Hotel Kakamega between 10-14 November 1997.

The workshop was officially opened by the **Senior Deputy Director Of Agriculture Mr. Onyimbo** in a speech read on his behalf by the **Deputy Director of Agriculture RELD, Mr. J. Ng'eno**.

The objectives of the workshop were as follows;

1. To analyze achievements and constraints of the developed tree approach.
2. To assess the acceptance of the approach by the DHCO's and NGO's and their willingness to further cooperate.
3. To discuss the recommendations of the review mission .
  - Emphasis on concept /strategy development with the collaborators
  - Develop mechanisms for follow up , monitoring and evaluation of the achievements
4. To re-examine the role of all stake holders on how to
  - Gradually retrench project support during implementation.
  - Elaborate a plan of operation for the years 1998,1999- 2000.
5. To develop strategies for future promotion of farmer train farmer approach.
6. To develop strategies for the establishment of a network and Trainer of Trainers Training Team(TOT).



## 2 Workshop process and presentations

The workshop started on a sound note and proceeded on as is enumerated on the workshop timetable. The initial step was self introduction by all participants where they outlined their tree cropping activities and future role in the present farmer based extension approach. Newly interested participants from GOK and NGO institutions who are interested to adopt this approach were welcomed from Plan International, the Maranatha Mission, the Maseno University, ICRAF - Maseno and the DHCO's from Nandi and Kericho.

The project coordinator presented the objectives and format of the workshop and gave brief presentation of the findings of the review mission and the future role of ITFSP in Kenya. This formed a basis for the discussions on the future plans of ITFSP. Thereafter the main features and activities of the farmer based extension approach concept was presented and discussed with the participants.

In his opening speech read on his behalf by the DDA RELD Mr. J.K. Ngeno the guest of honor the SDDA Mr. Onyimbo pointed out that lack of resources has led to changes in extension approaches where farmers are increasingly being used as active extension agents. He said that given the existing potential for tree crop production in the area and acknowledging the situation and the poor performance of other agricultural sectors such as cotton, the irrigation schemes and the sugarcane industries, farmers can benefit from producing high value tree products, notably fruit trees.

The participants were thus challenged by him to work hard and with GTZ/ITFSP collaboration produce sufficiently not only for the local market but also for export. This will go along way in helping alleviate rural poverty by improving on farm income.

After these presentations, a plenary discussion was held in order to ensure that the participants understood well the differences between the commonly applied T&V extension systems and the presented changes in the projects approach development activities so as to identify how best to collaborate in future. An issue which generated a lot of debate during this session was that of ITFSP capacity in facilitating follow ups in the field and whether farmer trainers should get training allowances or not. This generated a lot of heat mainly because of the lack of understanding of the role of ITFSP to support conceptual and pilot activities only, and its financial capacity by a section of the collaborators. The issue of provision training allowances was also controversial, since officers and farmer trainers insisted to get a remuneration for training's. However, the farmer trainer training concept is on the traditional labor sharing arrangements where compensation for services is given in kind. In addition it was stressed ITFSP is investing in the farmer trainers skills who also will get necessary equipment and improved seedlings to be able to provide future services against cash or kind.

At one time during the session the participants had to take a break in order to allow small group discussions and to enable the project management to decide upon the



issue of training allowances before coming into the final discussions. This arguments were mainly occasioned by lack of a clear understanding on part of the participants on the projects scope and aim of activities for concept development. These discussions also revealed that only little has been achieved by the field staff on follow ups, monitoring and retraining since the last training workshops were conducted. It was however a very healthy argument as it managed to bring light the into some of the weaknesses so far realized since the inception of the exercise.

## **2.1 Summary of findings of the ITFSP Project Review Mission**

The PC of ITFSP briefed the participants about the results of the ITFSP review team to create a better understanding among the participants about the future role and scope of ITFSP and the envisaged support of future activities for the farmer trainer training approach.

The findings of the team were as follows:

1. ITFSP has placed too much emphasis on implementation of pilot activities in Kenya rather than analytical and networking activities within the region.
2. ITFSP has been successful in linking a wide variety of institutions in the tree crop sector and in promoting tree crop activities .
3. Successful pilot measures were as follows
  - Solar drying of mangos and technology dissemination
  - Farmer train farmer approach for the dissemination of tree cropping technologies and improved planting material
  - Improved utilization and commercialization of indigenous fruit trees and research concepts
4. However the review team felt that ITFSP has spread too far geographically and in terms of technical subjects with difficult monitoring and follow up.

## **2.2 Recommendations of the review team**

The findings of the review team were considered during the planning workshop for the 2nd phase of ITFSP. They are presented in the following:

- Redefine the project purpose and better include the concept and strategy development aspect
- Restriction of activities on commercial and indigenous fruit trees
- Improve regional outreach by strengthening regional networking and supporting activities in selected countries
- Finalize pilot activities in Kenya and gradually hand them over to the respective co-operating partners



- Identify suitable co-operating partners in the selected countries
- Initiate sector studies ,hold national workshops and compile cross country experience and disseminate successful concepts
- Reduce implementation and training activities

### **2.3 Presentation by collaborators**

This took place in the second day of the workshop when collaborators presented their achievements and constraints in the on going farmer based extension approach. Kisumu, Siaya, Homa Bay, Suba and Migori gave presentations based on the activities they have already undertaken with the project. Nandi and Kericho presented some background information on the tree cropping activities in their respective districts while representatives from Plan International Maranatha mission, Maseno University and ICRAF also did the same indicating the possible avenues of collaboration in the tree cropping activities with the project.

The presentations by the collaborators revealed that:

- There was a major set back in the performance mainly due to lack of follow-up of farmer trainers by field staff.
- There is need to have further training's in order to get competent farmer trainers and that farmer should be designated as farmer trainers only after proving competence in training the other farmers.
- There is need for the project to assist farmer trainers to obtain the necessary propagation equipment and to establish mother trees on farms.
- There is need for the project to facilitate officers follow ups and retraining of farmer trainers at the village level.
- The DHCO needs to play a key role in ensuring that the farmer trainers practice acquired skills and are able to train other farmers.
- The DHCO and farmer should ensure the dissemination and diffusion of acquired technologies to other farmers in order to foster the establishment of production groups.
- There is lack of resources is a limitation to all activities and hence there is a need for collaboration to harmonize all planned activities and to be involved in contributing resources to target groups

It was apparent that some officers did not understand ITFSPs' mandate and the developed extension concept. In addition, the importance of a appropriate monitoring system was revealed. This needs to be developed and put in place so as to ensure closer tracking of field activities



## **2.4 Presentation by ITFSP**

In the light of the heated arguments generated on the first day and the subsequent presentations by DHCO's, ITFSP had to indicate its capabilities so as to provide a basis for planning. The project presented the agreed workplans from the May workshop at the Methodist Guest House and analyzed the level of achievements of the agreed plans.

In the presentation the project outlined what is foreseen as the future output in the development of the training and local expert teams (Appendix 12). It expressed the need to build in a approach to form farmer interest groups and association at various administrative levels (Appendix 13). The project also presented in brief the details on the number of farmers and officers trained in the last phase per district and also the number of improved planting material provided to the farmers and those planned for 1998 (Appendix 14)

ITFSP will further support the farmer train farmer approach mainly with :

- Training of farmer trainers on tree crop issues, i.e. top working, pruning, pest management according to the tree production cycle.
- Provision and testing of training material for the farmer trainers and officers.
- Support establishment of producers and marketing groups/associations.
- Support networking between farmer trainers and support staff.
- Support follow-up activities, studies and applied research according to identified needs by the officers and farmers.
- ITFSP search for requested information.
- Provide backstopping and planning support to get additional funding for farmer groups.

During planning workshop Plan International and Maranatha Mission committed that they were in a position to fully collaborate with the project, provided that the activities are being undertaken in there areas of operation and that their target groups are included into the extension system. Plan International went further to commit financial assistance during the first training's as long as the training for Kisumu farmer trainers are held in their division.

## **2.5 Basic assumptions and principles for support from ITFSP for the further development of the farmer train farmer extension approach**

Based on presentations by stakeholders, collaborators and recommendations of the review mission ITFSP has had to reorient its approach to accommodate recommendations made by the review mission and more so to bring to the better understanding of the collaborators ITFSP scope of operations within this changes.



ITFSP assumes that

- DHCO are the extension agents for the promotion of horticulture and that limited funds are available which enables them to work.
- DHCO's are using the available resources economically and do proper accounting.
- DHCO's are willing and already co-operating with other officers within the district i.e. the DISCO's, DEO's, officers from NGO'S and other projects.
- Farmer trainers are supporting the integration of trees as crops in the farms and are well cooperating with their community members.
- Farmer trainers are seeking their allies and have good reputations within their areas.
- Farmer trainers do have received basic skills for tree crop technologies and are establishing interest groups.

ITFSP cannot meet the expectations from the District Officers and farmer trainers with regard to the following requested support.

- No provision of cars, motorcycles, bicycles
- No support for nursery establishment of GOK run nurseries i.e. hardware, wheel-barrows, casual laborers, polybags etc.
- No support of community farmer nurseries with cost intensive items like polybags, building structures, wheel barrows etc.
- No support for allowances for farmers trainers and DHCO's during their extension activities.
- Phasing out support for fuel and transport allowances.

### **3 Development of District Workplans**

Using the discussions as a basis for planning the future activities each District elaborated a plan of operation indicating main activities and resource requirements. The activities were defined from the past experiences and according to the planned refinement of the concept. The planning of the required resources however had to be harmonized after the first presentation since the officers tended to budget well above the projects capacity and scope of assistance.

The project coordinator provided some guidelines for the participants who split in groups to discuss and redefine the workplans. As a guideline to the availability of the resources the DHCO's were advised to peg the budgets on a ceiling of KSH 250 000 per District and to place strong emphasis on the training's of farmer trainers and coordinating activities.

It was generally agreed by all the participants that plans made should be followed as a guideline. However, changes or alterations should be made in consent after consultations with the involved parties or collaborators.



## 4. Workplans for Farmer Based Extension Approach

### 4.1 MIGORI DISTRICT

ACTIVITY	SUB-ACTIVITY	TARGET	TIME	RESPONSIBLE PERSONS.	MATERIALS	BUDGET
TRAINING	⇒ Retraining of farmer trainers orientation of divisional staff	<ul style="list-style-type: none"> <li>18 Farmer trainers</li> </ul>	JAN - May 1998	DHCO, HCDA, ITFSP, KARI. NGOs	<ul style="list-style-type: none"> <li>Stationery,</li> <li>Grafting tools,</li> <li>300 scions</li> <li>200 Polytapes</li> <li>200 Poly caps</li> </ul>	50 000
	⇒ Training of Farmers by farmer trainers	<ul style="list-style-type: none"> <li>160 farmer</li> <li>2 day training's</li> <li>2 per div</li> </ul>	Feb.-Mar	DHCOs, FT ITFSP, Farmers	<ul style="list-style-type: none"> <li>900 Scions</li> <li>Polythene tapes</li> <li>800 Poly caps</li> </ul>	23 500
M - BLOCK ESTABLISH.		<ul style="list-style-type: none"> <li>8 Blocks</li> <li>1/Division</li> </ul>	Mar-April	DHCO, ITFSP, Farmer	<ul style="list-style-type: none"> <li>5 varieties.</li> <li>Fuel</li> </ul>	29 600
FOLLOW and monitoring visits		3 follow ups	May-Aug. and Nov.	DHCO, ITFSP, Farmer	<ul style="list-style-type: none"> <li>Fuel</li> </ul>	27 000
FARMER TOURS	⇒ Visit Thika and Makueni	<ul style="list-style-type: none"> <li>18 farmer</li> <li>5 staff</li> </ul>	Dec.-Mar	DHCO, ITFSP		110 000
Review Workshop	⇒ Evaluation of Achievement	<ul style="list-style-type: none"> <li>18 FT's,</li> <li>2 Officers</li> </ul>	Dec.	DHCO, ITFSP		5 000
					<b>TOTAL</b>	<b>245 100</b>

#### 4.2 TRANSMARA DISTRICT

ACTIVITY	SUB-ACTIVITY	TARGET	TIME	RESPONSIBLE PERSONS	MATERIALS	BUDGET
TRAINING	Farmer Trainers and Technical staff	20 in the Division and Location	February - May 1998	DHCO, DCO, TDP	Stationery	38,400
	FT's train farmers	75 for 2 days 75 for 2 days	February -May	DHCO, Div CO, TDP	Stationery	66,000
MOTHER BLOCK ESTABLISH.		10 Blocks two per division	March-April	DHCO, ITFSP, TDP		30,000
FOLLOW Ups		10 Visits two per division	Jan-June	DHCO, TDP (FSA)	FUEL	12,700
					TOTAL	147,100



### 4.3 KISUMU DISTRICT

ACTIVITY	SUB-ACTIVITY	TIME	RESPONSIBLE PERSONS	RESOURCES	Budget	REMARKS /RESULT
Organize Farmer trainer meetings to prepare w/plan	Invite 15 FT's and 8 officer to a one day w/shop	Jan-Feb.	DHCO	Technical staff vehicle		Workshop report
	Support a one day FT - W/shop in Ksm	Feb.	ITFSP, Plan International	Transport Meals	5 000 20 000	
Conduct Farmer trainer workshops	Support 15 two day training's of FT's to train 150 farmers	March-April	DHCO, FARMER TRAINERS, TAs.ITFSP, PLAN INT.	Tubes Purchase of tools G/Tapes Fuel Lunches Scions	1 800 10 000 640 24 000 12 000 3 000	Tubes to be provided immediately ITFSP to provide training kit
Establishment of mother blocks	provid 225 mother trees	March-April	ITFSP	Seedlings	15 000	ITFSP to provide mother trees
	Distribution of the M/ tree seedlings to the 9 divisions	April	DHCO	Fuel Lunches	24 000 6 000	
Follow- up /Supervision	Conduct 2 visits in all divisions	June and Sept.	PHCO, DHCO,	Lunches Fuel	3 600 24 000	
Conduct Review Meeting w. FT's	Invite 15 FT's and 4 officers to Ksm	July	DHCO			Review Meeting report
	Support Review Ws.	July	Plan Int. ITFSP	Meals T/Refund	20 000 5 000	
Study Tour for Farmer Trainers and Officers	Organize and conduct farmer study tour for 2 days	June, July	PCO, DHCO FTS ITFSP Plan Int.	Accom. Fuel	100 000	
TOTAL					234 040	

#### 4.4 MASENO UNIVERSITY/ICRAF/GTZ

ACTIVITY	SUB-ACTIVITY	TIME	RESPONSIBLE PERSONS	RESOURCES	REMARKS /RESULT Indicators
Establishment of Mother blocks	Land Preparation 2 ha.	Jan - Feb.	ICRAF/ Maseno. University	40,000	
Acquisition of seedlings	Purchase / deliver 800 plants	March	HCDA/ITFSP		
Planting	800 (5x5 m)	April	ICRAF/UNI	6 000	
Weeding(4 year)	2 Ha.	June, Sept. Dec.	ICRAF/UNI	48 000	
Pest/Disease Mgt.	800 Plants	Upon incidence	ICRAF/UNI/HCDA/ITFSP	80 000	
Participating in district training's as resource persons	5 Districts	as Distr. Work Plan	ICRAF/UNI/HCDA	80 000	
Monitoring, student attachment and sample collection	5 Districts, one visit per year	July-Aug.	ICRAF/UNI/HCDA/ITFSP	80 000	
<b>Plant nutrition</b>	800 plants	April	UN/ICRAF/	30 000	
<b>Total</b>				<b>364000</b>	



#### 4.5 SIAYA DISTRICT

ACTIVITY	SUBACTIVITY	TIME	RESPONSIBLE PERSONS	RESOURCES	REMARKS /RESULT
Organize Farmer trainer Meeting	Invite 22 FT's and 13 TA's	Jan/Feb.	DHCO	Vehicle	Workshop report, FT Action plan
	Support 1 day farmer trainer meeting in FTC Siaya	February	ITFSP	Trans.: Meals Tubes 1500	5 000 5 000 3 000
Conduct FT workshops	Support 22 two day Ws. of FT's to train 220 farmers	March - April	DHCO, TA's, FT's	Fuel tape, etc lunches	13 200 828 3 000
	Provide Basic Tools	March	ITFSP	Secateur Graft.	11 000
Establishment of Motherblocks	Provide 330 MT seedlings	April	ITFSP	Seedling	33 000
	Distribution of M-trees	April	DHCO	Lunches Scions	5 000 10 000
Follow up and Supervision	Conduct 2 monitoring trips	June & Sept, Oct.	DHCO	Lunches Fuel	4 400 26 400
Conduct Review Meeting	Invite 22 FT's for one day review meeting; Siaya FTC.	July - Aug.	DHCO	Fuel Meals	5 000 5 000
Study Tour for FT's	Organize 2 study trips	April, May July	DHCO	Accom	130 000
<b>Total</b>					<b>239 368</b>

#### 4.6 HOMA BAY DISTRICT

ACTIVITY	SUB-ACTIVITY	TIME	RESPONSIBLE PERSONS	RESOURCES	REMARKS /RESULT
Training	Conduct 2 day Planning Ws for FT's	Jan.	DHCO, FT's, Nursery managers,	Accom. Fuel	Farmer trainer Action Plan
	FT's and Divisional staff training	Feb.	DHCO, DCO	Transp. Material 500 MT's	
	Farmer Trainers Training (20)	March	DHCO, DCO, FT's, Care		Monthly reports
Follow-up field visits	4 Tours	May - December	DHCO, DCO	Fuel Lunch	
Establishment of Motherblocks	Planting of 10 seedlings/at FT's site	April	DHCO, DCO, FT's	Fuel Lunches seedling	
Farmer study Tour to Migori	20 farmers, 5 officers	June	DHCO	Fuel Lunches	Trip report
Review Workshop	Evaluation of Achievements	Dec.	DHCO, ITFSP,	Trans. Accom.	
<b>Total</b>				<b>245 000</b>	



#### 4.7 SUBA DISTRICT

ACTIVITY	SUB-ACTIVITY	TIME	RESPONSIBLE PERSONS	RESOURCES	REMARKS /RESULT
Training	Conduct 2 day Planning Ws for FT's.	Jan.	DHCO, FT's, Nursery managers,	Accom. Fuel	Farmer trainer Action Plan
	FT's and nursery managers training (10)	Feb.	DHCO, FT's, Care	500 seedlings	
	Farmer Trainers Training (20)	March	DHCO, DCO, FT's, Care	500 seedlings.	Monthly reports
Follow-up field visits	6 Tours	May - December	DHCO, DCO	Fuel Lunch	
Establishment of Motherblocks	Planting of 10 seedlings per farmer	April	DHCO, DCO, FT's,	Fuel Lunches seedling	
Farmer study Tour to	40 farmers, 5 officers	June	DHCO	Fuel Lunches	Trip report
Review Workshop	Evaluation of Achievements	Dec.	DHCO, ITFSP,	Trans. Accom.	
<b>Total</b>				<b>256 000</b>	

#### 4.8 NANDI DISTRICT

ACTIVITY	SUB-ACTIVITY	TIME	RESPONSIBLE PERSONS	RESOURCES	REMARKS /RESULT
Farmer need assessment	Farm survey on 30 farms	Jan 98	DHCO	trans.	14 000
Training					
	TA and staff training	Feb.	DHCO, DCO TA's	Trans. Material 500 MT's	10 400
Strategy for temperate fruit trees improvement/dev. dev.	Conduct STC	Jan	ITFSP		
	Train 15 Farmer Trainers in 2 days	March	DHCO, ITFSP	Fuel, station.. scions seedl.	48 000
Follow-up field visits	10 visits in the divisions	May - December	DHCO, DCO	Fuel Lunch	7 000
Establishment of Motherblocks	Planting of 10 seedlings per farmer trainer	March	DHCO, DCO, FT's,	Fuel seedling	28 000
Farmer study Tour to Eastern Province	35 farmers, 5 officers	June	DHCO	Fuel Lunches	55 000
<b>Total</b>					<b>162 400</b>
					Trip report



#### 4.9 KERICHO DISTRICT

ACTIVITY	SUB-ACTIVITY	TIME	RESPONSIBLE PERSONS	RESOURCES	REMARKS /RESULT
Farmer need assessment	Farm survey on 30 farms	Jan 98	DHCO	trans.	14 000
Training					
	TA and staff training	Feb.	DHCO, DCO TA's	Trans. Material 500 MT's	10 400
Strategy for temperate fruit trees improvement dev.	Conduct STC	Jan	ITFSP		
	Train 35 Farmer Trainers in 2 days	March	DHCO, ITFSP	Fuel, station.. scions seedlings	48 000
Follow-up field visits	10 visits in the divisions	May - December	DHCO, DCO	Fuel Lunch	7 000
Establishment of Motherblocks	Planting of 10 seedlings per farmer	March	DHCO, DCO, FT's,	Fuel seedling	28 000
Farmer study Tour to Eastern	35 farmers, 5 officers	June	DHCO	Fuel Lunches	55 000
<b>Total</b>					<b>162 400</b>
					Trip report

## **5. Performance indicators**

During the discussions of the workplan performance indicators which shall be monitored were defined in order to support the establishment of a M&E system which shall reveal strength and weaknesses during the implementation. a selection criteria for the participating districts and farmer trainers.

1. 80 % of trained farmers can apply trained techniques effectively,
2. 50 % of the farmers trained by farmer trainers have planted rootstock and practised grafting or top working,
3. Interested farmers and farmer trainers organize at least 3 group meetings and steps to register the groups are under taken
4. 80 % of provided mother tree seedlings have survived by December 1998
5. 60 % of grafted seedlings have picked and survived,
6. Core financing for joint activities with other organizations is achieved,
7. Joint supervision trips and Review Meetings conducted and reported on

## **6. Future Outlook and Development of the Program 1999 to 2000**

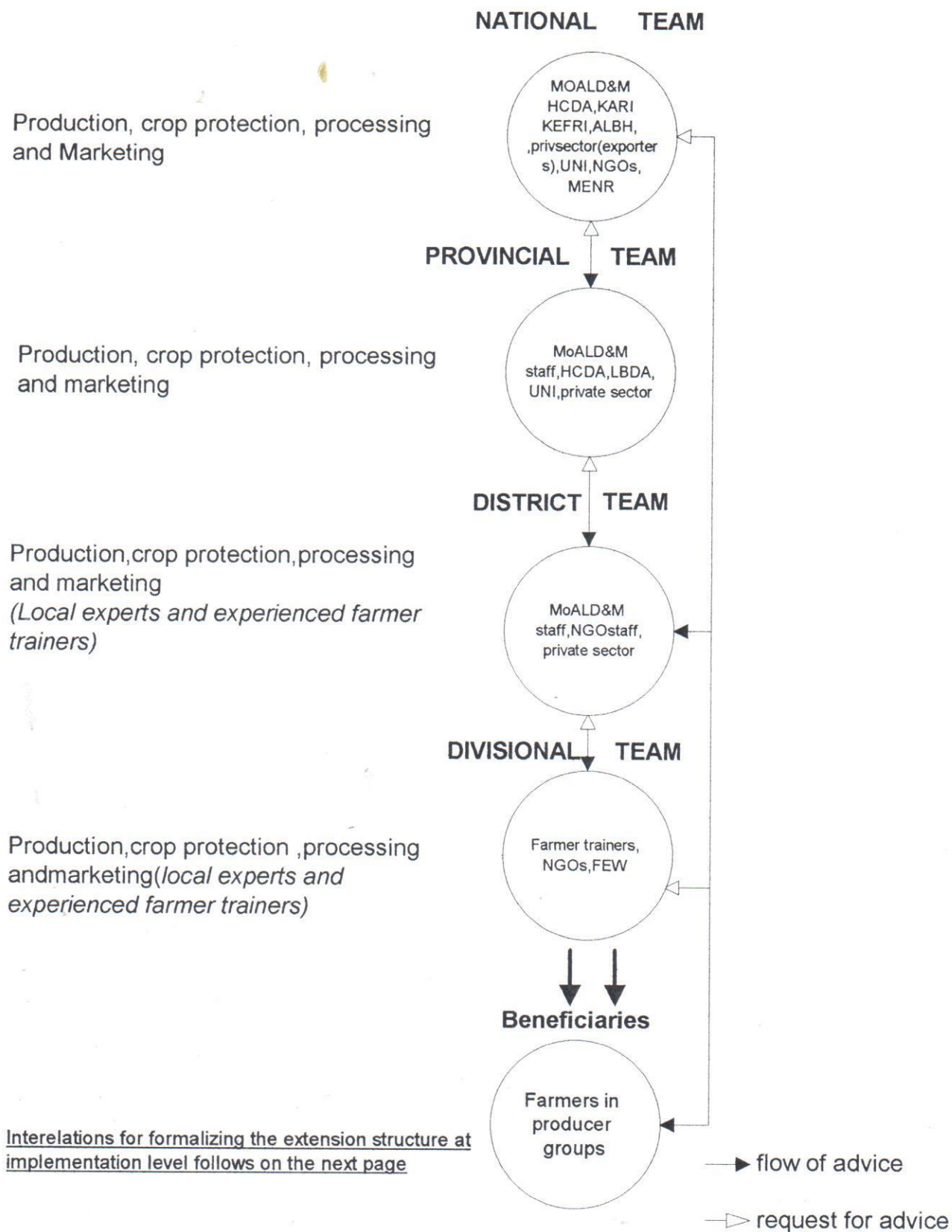
For the future outlook of the Farmer Trainer Training and the involvement of ITFSP the following activities will be envisaged:

1. Review Performance indicators during Review meetings and field visits.
2. Evaluate Performance of Farmer Trainers and facilitators based on the indicators.
3. Identify constraints and select areas for further interventions and concentrated efforts.
4. Issue certificates of competence to farmer trainers and support adequate networking and co-operation between farmer trainers, GOK and NGO staff, and the private sector.
5. Support establishment and official registration of farmer tree interest groups, producer and marketing associations.

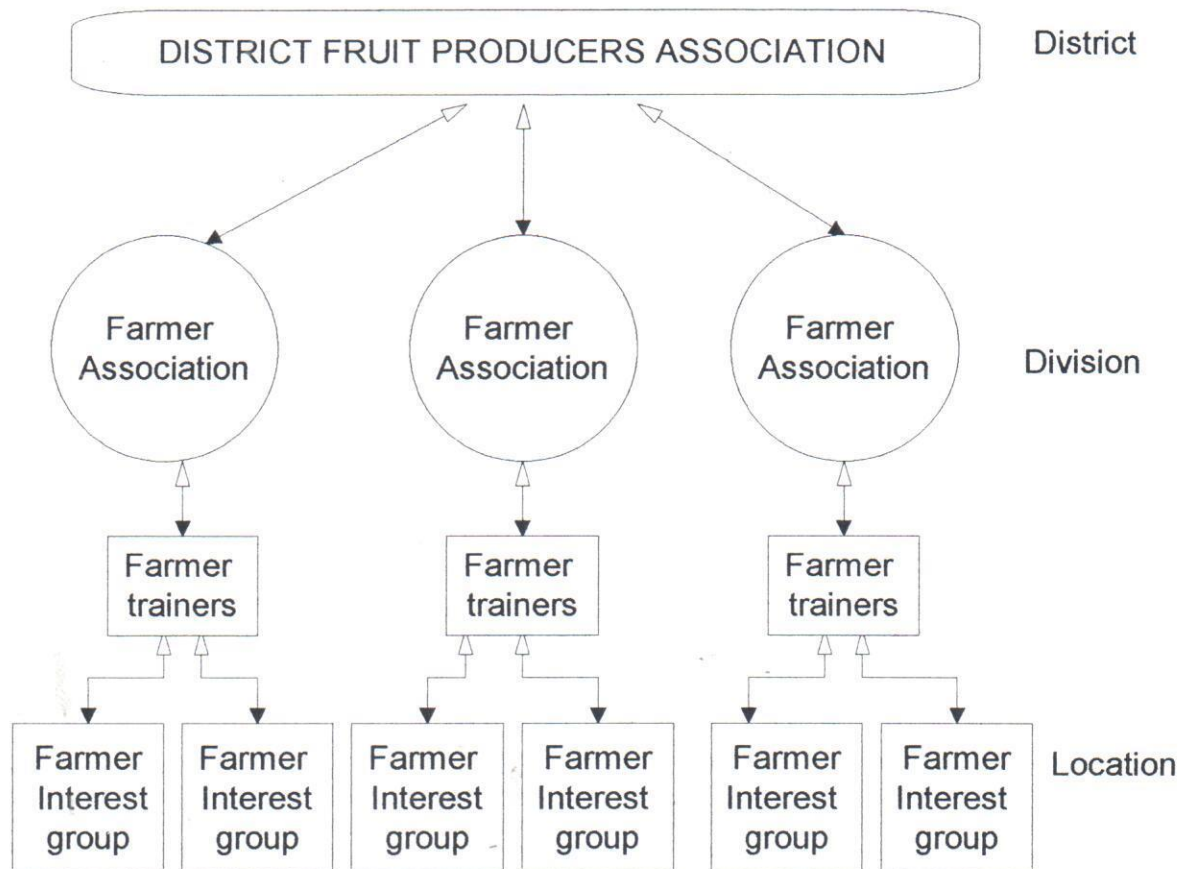
Develop syllabus for the farmer trainers and extension manual based on the practical experiences



The following figures presents the envisaged supportand extension system for tree crop development

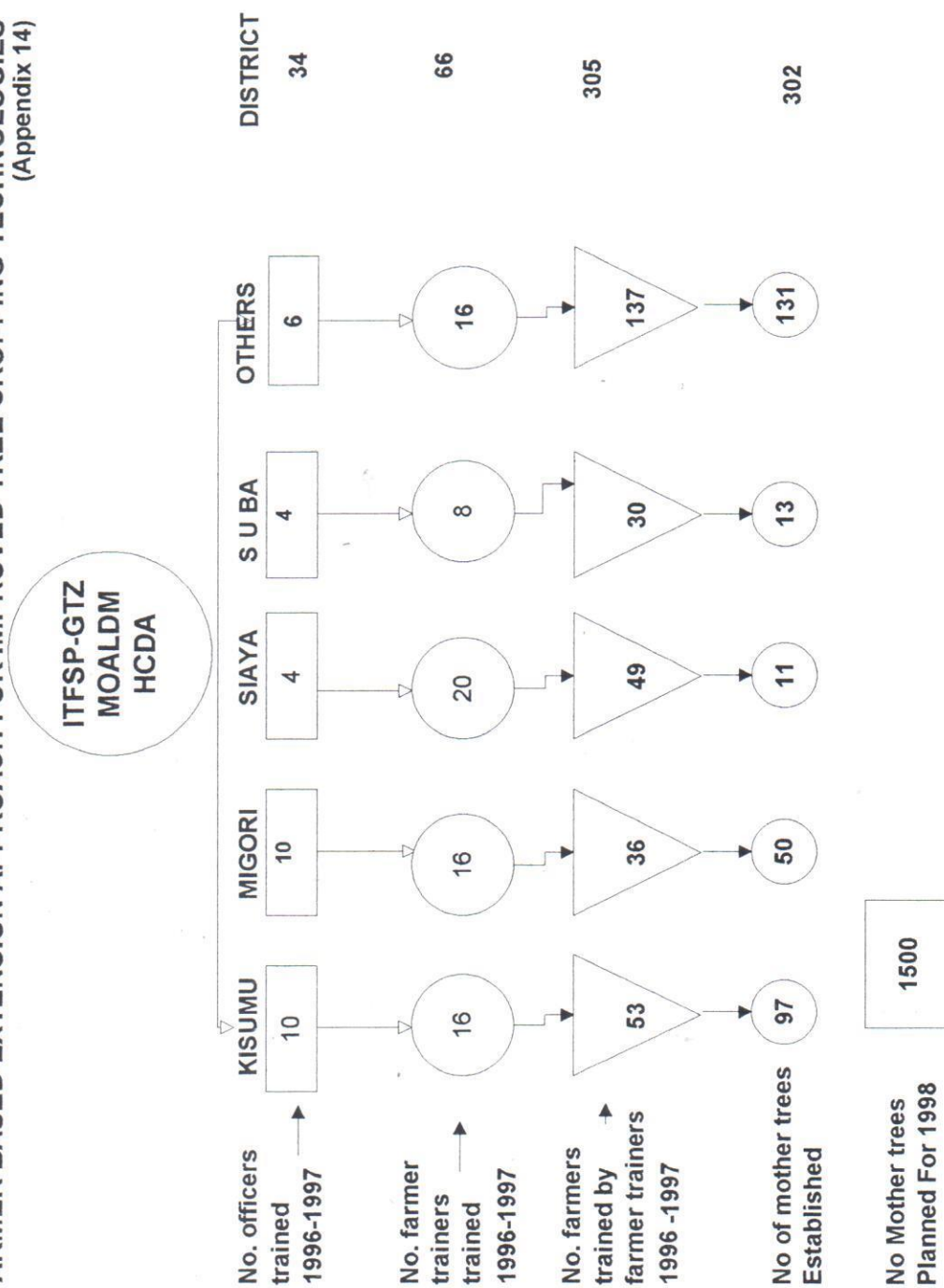


# Farmer trainer group approach





**FARMER BASED EXTENSION APPROACH FOR IMPROVED TREE CROPPING TECHNOLOGIES**  
(Appendix 14)



Appendix i: List of participants

NAME	DESIGNATION	ADDRESS
1. Mr. Sammy K. Sangutei	DAO -NANDI	P O Box 60, Kapsabet
2. Dr. Mary O.A. Onyango	Chairman Dept of Hort./Botany	Private Bag, Maseno
3. Mr. Edward Nyamweyo	Farmer Trainer, Migori	P. O. Box 28, Sare
4. Mr. John Bosco Ooko	Farmer, Homabay	P.O. BOX 71, Homa Bay
5. Mrs. Joyce A. Omondi	DHCO Kisumu	P. O. Box 1958, Kisumu
6. Mr. Ombalo D.O.	E.C/Kisumu	P.O. Box 1958 Kisumu
7. Mrs. P. Muchehele	PCO.PHCO Nyanza	P. O. Box 1700, Kisumu
8. Mr. Ochieng'	DAO Suba	P. O. Box 70, Mbita
9. Mr. Nyayiera	DAO Homabay	P. O. Box 71, Homabay
10.Mr. O. Tembe	D.C. O Suba	P.O Box 70 Mbita
11.Mr. A. Odipo	DAO Migori	P. O. Box 84, Migori
12.Mr. A. Okello	Crops Officer Rongo	P.O Box 46 Rongo
13.Mr. Philip O. Ogutu	DHCO - Siaya	P. O. Box 3, Siaya
14.Mr. Wilfred G. Yako	Technical Officer (H.C.D.A)	P. O. Box 84, Nairobi
15.Mr. Odhiambo Opwapo	District Crops Officer Homabay	P. O. Box 71, Homabay
16.Ms. Rose A. Aduol	Programm Officer - Plan International	P. O. Box 2696, Kisumu
17.Mr. Miseda R. O	District Training Officer (representing DAO Siaya)	P. O. Box 70, Mbita
18.Prof. J.C. Onyango	Maseno University	Private Bag, Maseno
19.Mr. K. Cheruiyot	Representing DAO Kericho	P. O. Box 50, Kericho
20.Mr. Joash Omondi	Farmer trainer	P. O. Box 198, Siaya
21.Mr. Daniel Mecha	DCO - Transmara (non-resident)	P. O. Box 290, Kilgoris
22.Mr. Stephen Riungu	Programme Officer -ICRAF-Maseno	P. O. Box 25199, Otonglo, Kisumu
23.Mr. Zacharia A. O. Awang'e	Farmer trainer	P. O. Box 55, Ogongo, Mbita
24.Mr. Solomon O. Ondiek	Programme Officer -Maranatha	P. O. Box 61, Suna Migori
25.Mr. R. N. Tong'i	Farming Systems Advisor - TDP	P. O. Box 290, Kilgoris
26.Ms. B. W. King'ori	GTZ/MoALDM (ITFSP)	P. O. Box 47051 Nairobi
27.Mr. K. Ng'eno	DDA - RELD (Kilimo)	P. O. Box 30028 Nairobi
28.Mr. O. Okumu	Horticulturalist - ITFSP	P. O. Box 47051 Nairobi
29.Dr. Manfred van Eckert	Project Co-ordinator - ITFSP	P. O. Box 47051 Nairobi
30.Prof. G. C. Mutiso	Facilitator	P.O Box 14333 Nairobi



**WORKSHOP TIMETABLE****November 10.11.1997****Arrival of Participants****TUESDAY 11.11.97**

8.30 - 10.00 AM	<ul style="list-style-type: none"> <li>• Registration</li> <li>• Introduction</li> <li>• Official opening</li> </ul>
10.00 - 10.30 AM	<b>Tea</b>
10.30 - 1.00 PM.	<ul style="list-style-type: none"> <li>• Objectives and format of workshop</li> <li>• Brief presentations of the findings of the review mission</li> <li>• Future role of ITFSP in Kenya</li> </ul>
1.00 - 2.00 PM.	<b>Lunch</b>
2.00 - 4.00 PM.	<ul style="list-style-type: none"> <li>• Farmer to Farmer based extension approach and concept presentation</li> <li>• Identification of the main component of the farmer to farmer concept</li> </ul>
4.00 - 4.30 PM.	<b>Tea/Coffee Break</b>
4.30 - 5.30 PM	<ul style="list-style-type: none"> <li>• Plenary Discussion</li> </ul>

**WEDNESDAY 12.11.97**

8.30 - 10.00 AM	<ul style="list-style-type: none"> <li>• Farmer trainer training approach: achievements and constraints(DAOs and ITFSP)</li> <li>• Presentation of activities by collaborators</li> </ul>
10.00 - 10.30 AM	<ul style="list-style-type: none"> <li>• <b>Tea/Coffee Break</b></li> </ul>
10.30 - 1.00 PM.	<ul style="list-style-type: none"> <li>• Open Discussions on constraints identified and possible solutions</li> </ul>
1.00 - 2.00 PM.	<ul style="list-style-type: none"> <li>• <b>Lunch</b></li> </ul>
2.00 - 4.00 PM.	<ul style="list-style-type: none"> <li>• Plenary and group discussions</li> </ul>
4.00 - 4.30 PM.	<ul style="list-style-type: none"> <li>• <b>Tea /Coffee Break</b></li> </ul>
4.30 - 5.30 PM.	<ul style="list-style-type: none"> <li>• Elaboration of main features of the district Annual Workplans</li> </ul>

**THURSDAY 13.11.97**

8.30 - 10.00 AM	<ul style="list-style-type: none"> <li>• Development of District annual workplans</li> </ul>
10.00 - 10.30 AM	<ul style="list-style-type: none"> <li>• <b>Tea /Coffee Break</b></li> </ul>
10.30 - 1.00 PM	<ul style="list-style-type: none"> <li>• Presentation of workplans and discussion</li> </ul>
1.00 - 2.00 PM.	<ul style="list-style-type: none"> <li>• <b>Lunch</b></li> </ul>
2.00 - 4.00 PM	<ul style="list-style-type: none"> <li>• Amendments of workplans</li> </ul>
4.00 - 5.00 PM	<ul style="list-style-type: none"> <li>• Workshop evaluation and official closing</li> </ul>

**FRIDAY 13.11.97**

Departure and return to Nairobi or duty stations