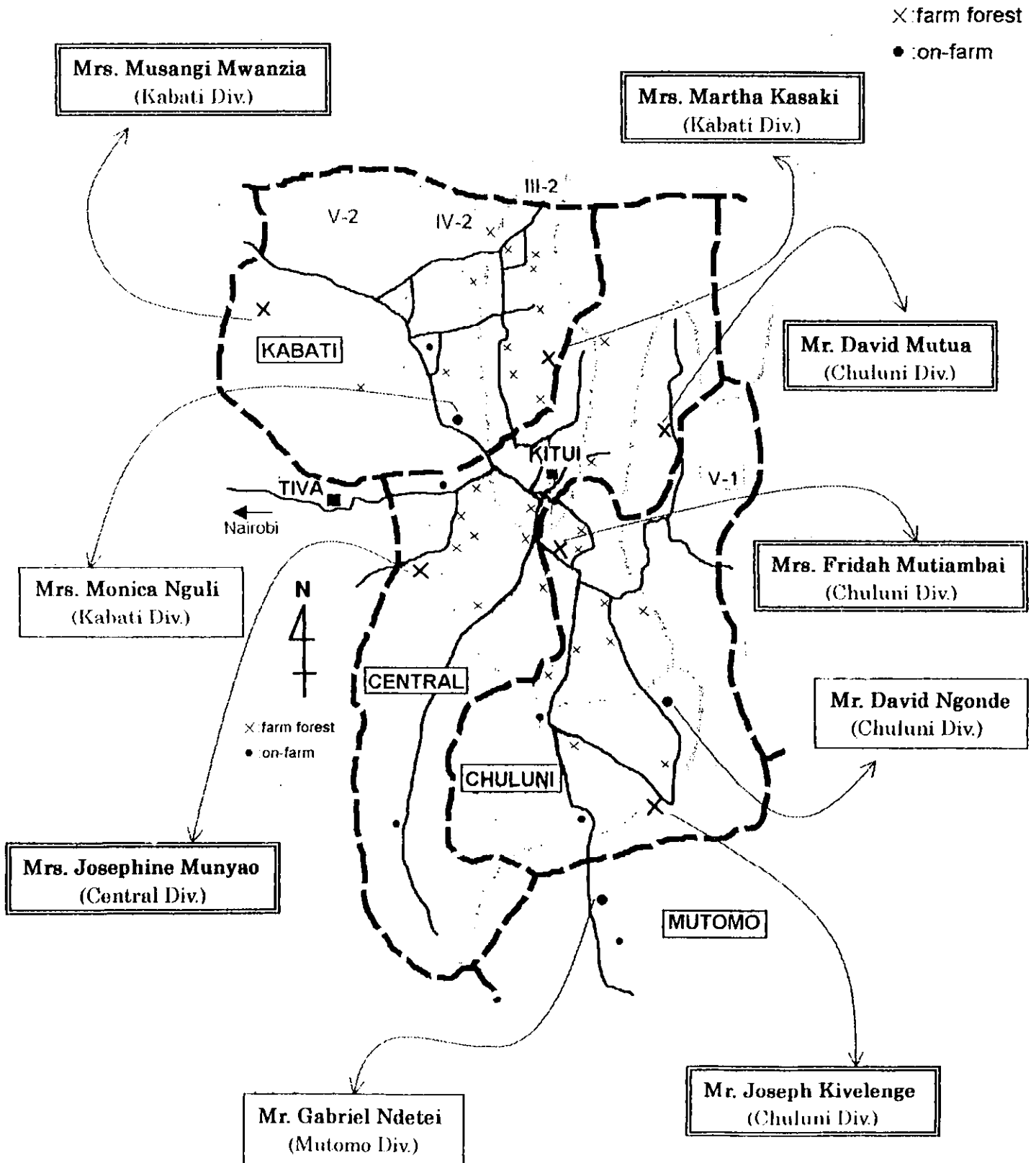


FIELD SURVEY

LOCATION OF FARM FOREST ESTABLISHMENT AND ON-FARM EXPERIMENT TARGET FARMERS



LIST OF TECHNICAL MANUALS

Following table shows the list of manual which were agreed to be prepared as the project activities.

Title	Targets	Responsible person	Limit	Others
Tree planting and tending manual	Farmers/TAs	Kigwa, Osore, Noda	Nov. 1999	
Seed collection and handling manual	Farmers/TAs	Kyalo, Rateng, Hayashi	Dec. 1999	
Integrated termite control method	Farmers/TAs	Muok, Kyalo, Mutua, Hayashi	Nov. 1999	
Special species explanation (leaflet)	Farmers/TAs	Muok's assignee, Mishima(Segawa), Noda	Gradually	<i>Melia volkensii</i> , <i>Moringa oleifera</i> , <i>Sesua siamea</i> etc.
Grafting fruit trees	Farmers/TAs	Muok, Mutua, Hayashi	Nov. 1999	
Root cutting of <i>Melia volkensii</i> (leaflet)	Farmers/TAs	Muok, Kyalo, Hayashi	Nov. 1999	
Introducing Demo II activities (leaflet)	Farmers/TAs	Osore, Ali, Emily, Damalis, Miyazono	Later	Bamboo, water purification etc.
Mycorrhiza inoculation by grass and millet	Farmers/TAs	Muok, Kyalo, Hayashi	Later	
Planting and tending technical manual	CPs, Foresters	Kigwa, Auka, Noda	Later 2002年	
Soil water movement (magazine report)	CPs, Foresters	Muok, Kigwa, Auka, Noda	Later 2002年	
Road side plantation	Foresters	Osore, Auka, Noda	Later	
On-Farm explanation	CPs	Muok, Kyalo, Hayashi	Later	
Weather in Kitui	Farmers/TAs	Kyalo, Hayashi	Nov. 1999	

LIST OF EXTENSION MATERIALS DEVELOPED BY SOFEM
(March 2000)

No.	Title	Type	Content	Language	Target
1	Charcoal Water Purifier	Leaflet	Manual on making charcoal water purifier	English	Farmer, Extension agent
2	A STORY OF A VILLAGE WHERE MANY TREES ARE GROWING	Picture story	Tale persuading the importance of tree planting	English Swahili	School, DFEO, NGO, Community
3	Tutengenezeni Jiko la Enzaro	Pamphlet	Manual on making a kind of improved cooking stove	Swahili	Farmer, Extension agent
4	Tutengenezeni Jiko la Enzaro	Leaflet	the same as above	Swahili	Farmer, Extension agent
5	UTILITY OF MORINGA	Pamphlet	Introduction of utility of Moringa spp., a mulch purpose tree	English Swahili	Farmer, Extension agent
6	Social Forestry Extension Model Development Project for Semi-Arid Areas in Kenya	Leaflet (A4 size)	Introduction of SOFEM from background to activities	English	Institutions and individuals concerned
7	Social Forestry Extension Model Development Project for Semi-Arid Areas in Kenya	Leaflet (Handy size)	the same as above	English	Institutions and individuals concerned
8	Farm Forestry Demonstration (DEMO II)	Leaflet	Introduction of the demonstration plot of Farm Forest	English	Farmers, Extension agent
9	Pilot Forest and Nursery	Leaflet	Introduction of experiments at Pilot forest in Tiva	English	Farmers, Extension agent
10	MITI NI MALI Part II	Video Tape	Demonstration of basic tree planting and tending techniques for semi-arid areas	English Swahili	NGO, Donor, Farmer, Extension agent
11	SEED COLLECTION AND HANDLING MANUAL	Pamphlet	Manual on collecting and handling seeds	English	Farmer, Extension agent

モバイルショウ 会場及び参加者
Venue and Participants of Mobile show

Venue	Division	Farmers	Students	Total
Miambani	Central	141	27	168
Kavisuni	Central	55	85	140
Katulani	Central	43	21	64
Mosa	Chuluni	59	55	114
Kisasi	Chuluni	57	10	67
Mbitini	Chuluni	87	51	138
Mutonguni	Kabati	116	48	164
Kekeani	Kabati	55	48	103
Kauwi	Kabati	49	2	51
Total		662	347	1009

Questionnaire to on-farm experiment target farmers

Q1 Do you understand what the on-farm experiment is?

Yes	7 77.8%
No	2 22.2%
Total	9 100.0%

Q2 Were the series of training conducted by the project (i.e.training at Kitui Training Center.training in the field.study tour) helpful to improve your knowledge for fame forest establishment?

Yes	9 100.0%
Total	9 100.0%

Q4-1 (Question only for the farmers who have been planting trees before the project): Was the survival rate of the trees planted after you have been trained improved?

Yes	8 88.9%
No	1 11.1%
Total	9 100.0%

Q4-2 If the answer is "Yes", how much?

Extremely	8 100.0%
Total	8 100.0%

Q5 Will you continue tree-planting activities even if you have to bear all the cost for seedling procurement?

Yes	9 100.0%
Total	9 100.0%

Q6 Do the people in the community know that you are selected as a project target farmer?

Neighbors	6 66.7%
Neighbors, Group members, Teachers/purpils	1 11.1%
Villagers, Neighbors, administration office	1 11.1%
No Answer	1 11.1%
Total	9 100.0%

Q7 Have you had any visitors or questions about your established on-farm plantation?

Yes	7 77.8%
No	2 22.2%
Total	9 100.0%

Q8 Are you able to provide technical assistance concerning tree planting to the community members when requested?

Yes	9 100.0%
Total	9 100.0%

Q9 Have you provided any technical assistants to others?

Yes	2 22.2%
No	7 77.8%
Total	9 100.0%

Q10 Are you willing to demonstrate on-farm plantation establishment techniques to the surrounding communities?

Yes	9 100.0%
Total	9 100.0%

Questionnaire to neighboring farmers of on-farm target farmers

Occupation

farmer	9 100.0%
Total	9 100.0%

Age

0~19	1 11.1%
20~39	1 11.1%
40~59	3 33.3%
over 60	4 44.4%
Total	9 100.0%

Sex

male	4 44.4%
female	5 55.6%
Total	9 100.0%

Estimated distances from target farmer

50m	1 11.1%
200m	2 22.2%
400m	2 22.2%
500m	1 11.1%
600m	1 11.1%
800m	2 22.2%
Total	9 100.0%

Q1-1 Are you aware that Mr./Mrs.(Target farmers) is doing tree planting activities with SOFEM/JICA project?

Yes	8 88.9%
No	1 11.1%
Total	9 100.0%

Q1-2 If the answer is "Yes", how did you know?

Heard from others	5 62.5%
Visit the plot and found	2 25.0%
Directly heard from Mr./Mrs.(Target farmers)	1 12.5%
Total	8 100.0%

Q2-1 Have you visited on-farm experiment?

Yes	4 44.4%
No	5 55.6%
Total	9 100.0%

Q2-2 If the answer is "Yes", how did you feel about it?

I also want to try	3 75.0%
I don't want to try	1 25.0%
Total	4 100.0%

Q3 Have you received any advice concerning tree planting from Mr./Mrs.(Target farmers)?

No	9 100.0%
Total	9 100.0%

FARAM FOREST ESTABLISHMENT TARGET FARMS
Information on SOFEM/JICA Project

No.	Q1. Are you aware that project identified you as a core to promote tree plant		Q2. Do the people in the community know that you are selected as a project target farmer				Q3. About the farm forest established in 1998-1999:			3:2 Who took the initiative for decision making and selecting spices?				
	Yes	No	Yes	(i) Villages	(ii) Group members	(iii) Neighbour ts	(iv) Others	No	3:1 Did the design and planted spices meet your needs?		(a) Me	(b) Project	(c) Both	(d) Others
									Yes	No				
1.	1		1	1	1	1			1				1	
2.	1		1	1	1			1					1	
3. Mutia m. Maingi	1		1	1	1			1					1	
4. Muniyalo Makau	1		1	1	1			1					1	
5. Joseph Kivulenge	1		1	1	1			1		Space too wide can't accommodate many seedlings			1	
6. Frida Mutiyambai	1		1	1	1			1					1	
7. Mirtha M. Mwanzia	1		1	1	1			1			1			
8. Martha Kasaki	1		1	1	1			1					1	
9. Mutava Ndothya	1		1	1	1			1					1	
Total	9	0	9	4	7	9	0	7	2		1	0	8	0
%	100	0	100	44	78	100	0	78	22		11	0	89	0

3.3 Were the series of training conducted by project i.e. training at Kitui training Center, training after having training improved?		3.4 Was the survival rate of the trees planted after having training improved?					3.5 Which technical guidance provided by project were effective?										
How were they helpful?		Yes		No		(a) Extremely	(b) Slightly	No		(a) Land preparation	(b) Preparation of planting hole	(c) Micro catchmen	(d) Weeding	(e) Watering	(f) Pest control	(g) Fencing	(h) Others
1	Learnt hole sizes & preparation of liquid manure	1	1							1	1				1		
1	Fruit tree establishment / processing, Seed collection, pest control, protection	1	1								1	1		1			
1	Learnt proper tree protection & fruit processing	1	1							1				1	1		Manuring, use of
1	Grafting	1	1								1	1	1				
1	Multipurpose tree species & grafting	1	1							1		1	1	1			
1	Clear weeding-fast growth & termite control	1	1									1	1	1		1	
1	Fruit tree establishment / process	1	1									1	1				Shading
1	Learnt fruit marketing & process, mixing of trees & crops are beneficial	1	1								1	1		1			
9		9	9	0	0	9	0	0	0	3	5	6	5	6	2	2	
100		100	100	0	0	100	0	0	0	33	56	67	56	67	22	22	

3:6 Will you continue tree planting activities even if you have to bear all the costs?		3:7 Have you had any visitors or questions about your establishment farm forest?		Q4. Are you able to provide technical assistance concerning tree planting to the community members when requested?			Q5. (About extension agents) How often does the project visit you?			5.2 What do you think about this frequency?									
Yes	No	If No, why?	Yes	If yes, who	and which	No	Yes	No	If no, areas missing	any technical assistance	Yes	No	(a) Once per week	(b) Twice per week	(c) Over three times per week	(a) Too little	(b) Fair	(c) Too often	
1			1		sources of seeding proper planting		1			1			1						
1			1		Reasons / benefits of trees, sources of seedlings		1						1						
1								1	No requests yet				1						
1			1		How to plant, nursery materials, pot seeds how to germinate		1							1					
1			1		Grafting, techniques, actual planting, sources of seedlings		1						1						
1			1		Grafting, seedling, land preparation, actual		1						1						
1			1	Neighbours	tree planting, source of seedling		1							1					
1			1	chief, Neighbours	Land preparation, soil mix tree planting		1							1					
1			1	Neighbours	source of seedling, Actual planting		1						1						
9	0		8			1	8	1			8	1	5	4	0	0	0	9	0
100	0		89			11	89	11			89	11	56	44	0	0	100	0	

5.3 (a) What kind of technical guidance were provided from him/her?	5.3 (b) How beneficial were they ?	5.4 How often does the FD TAs(.....)visit you?				5.5 What do you think about this frequency?			5.6(a) What kind of technical guidance were provided from him/her?							5.6(b) How beneficial were they?		
		(a) Never	(b) Once per month	(c) Once per week	(d) More than two times per week	(a) Too little	(b) Fair	(c) Too often	(a) Nursery techniques & management	(b) Tree management	(c) Watering	(d) Shading	(e) Seed germination	(f) Collecting / handling	(g) Microcatchment		(h) Compositing	
Putting shade, spot fencing, soil mixing	Protect from direct seeding, reduce damage by domestic		1				1		1									Helped to sustain group nursery
Tree protecting, watering, tree pruning, micro catchment	Higher tree survival		1			1												Better growth/higher survival
Shading, fencing	Reduce watering rate / amount			1			1					1						Able to raise own seedling
Shading, fencing	Less watering			1			1						1					1 Raise own seedling
Hardening of seedling, pruning, nursery techniques	Reduced frequency watering able to raise own seedling																	Have manure for nursery/garden
Shading, watering, weeding, soil mixing, land preparation	Good survival, less watering, good health																	Good health & survival
Shading, bottle watering, weeding & fencing	Trees more health, less animal browsing		1						1									Good tree performance
Watering, Bottle watering, weeding, Shading	Good health, less watering																	Raise own seedling
Shading, watering, use of herbal	Less watering																	Health seedling & good tree management
		0	1	8	0	2	7	0	5	1	5	1	2	1	1	1	2	
		0	11	89	0	22	78	0	56	11	56	11	22	11	11	11	22	

Questionnaire to Neighbours of Farmers for Farms Forest Establishment

	Q1. Are you aware Mr./Mrs.(.....) is doing tree planting activities with SOFEM/JICA project?		Q2. Have you visited farm forest establishment by Mr./Mrs. (.....)?		Q3. Have you received any advice concerning tree planting from Mr./Mrs(.....)?	
	yes	no	yes	no	yes	no
No.	8	2	8	0	6	6
Total	67	17	67	0	50	50
%				33		

Questionnaire for Ordinary Farmers in the Target Project Target Areas

No.	1. Project known?		2. What is known about the project?							
	Yes	No	(1) Name (only heard about the project)	(2) Tree planting experiments	(3) Seedling production	(4) Sale of seedling	(5) Avenue planting	(6) Training	(7) Mobile show	(8) Others
KABATI MA	22	0	1	15	18	9	8	15	4	9
KAVISUNI	16	1	7	8	10	9	7	4	3	4
KISASI MA	17	1	2	16	11	7	10	6	5	3
Total	55	2	10	39	39	25	25	25	12	16
%	96%	4%	18%	71%	71%	45%	45%	45%	22%	29%

No.	3. Means of knowing the project							
	(1) Heard from acquaintance (worker, target farmers/groups, others)	(2) See the signboards	(3) See the posters (mobile show, seedling information, cost-sharing of pots)	(4) Sale of seedlings	(5) Seedling distribution (free)	(6) Attended the training	(7) Publications	(8) Others
KABATI MA	12	10	7	11	15	3	9	2
KAVISUNI	15	5	6	8	10	3	1	2
KISASI MA	14	13	8	5	13	0	4	5
Total	41	28	21	24	38	6	14	9
%	75%	51%	38%	44%	69%	11%	25%	16%