



**KENYA FORESTRY RESEARCH INSTITUTE
KITUI REGIONAL RESEARCH CENTRE**

ANNUAL REPORT 2010-2011 FINANCIAL YEAR FOR TIVA NURSERY



By Ezekiel M. Kyalo

Technologist

1.0 Introduction

During the financial year 2010-2011 Tiva nursery undertook the following activities, which supported Kitui Regional Research Centre by way of research and revenue generation. These activities included; seeds collection, seedlings production and technology transfer.

1.1 Seed collection

Objectives; major objective of collecting seeds at the centre was to be self sufficient in seeds for the purpose of raising seedlings for research and revenue collection.

Table below shows schedule of seeds collected within the year

Quarter	Species	Amount collected (kgs)	Area collected)	Use
One	<i>Melia volkensii</i>	1080(fruits)	Nuu	Seedlings pro.
	<i>Terminalia prunoides</i>	93	Katangi	Revenue
	<i>Sena siamea</i>	5	Mwingi	Revenue
	Total	1178		
Two	<i>Melia volkensii</i>	147(nuts)	Mutomo	Revenue
Three	<i>Melia volkensii</i>	600 (fruits)	Mutomo	Seedlings pro.
	<i>Dovyalis caffra</i>	20	Machakos	Revenue
	Total	620		
Four	<i>Melia volkensii</i>	3450	Mutomo/Voi	Seedlings pro.
	Total	5375		

1.2 Seedlings production

Objectives ; To raise seedlings of various species for research and revenue collection.

Quarter	Species	No. raised	Remarks
Quarter one	1. <i>Melia volkensis</i>	5439	For Research/Revenue
	2. <i>Croton melogacarpus</i>	1500	
	3. <i>Moring oleifera</i>	1000	
	4. <i>Sena siamea</i>	1008	
	Total	8947	
Quarter Two	1. <i>Melia volkensis</i>	3150	For Research/Revenue
	2. <i>Gmelina arborea</i>	320	
	3. <i>Casuarina equestifolia</i>	500	
	Total	3970	
Quarter Three	1. <i>Melia volkensis</i>	4200	For Research/Revenue
	2. <i>Gmelina arborea</i>	80	
	3. <i>Casuarina equestifolia</i>	324	
	4. <i>Dovyalis caffra</i>	1000	
	Total	5604	
Quarter Four	1. <i>Melia volkensis</i>	7684	For Research/Revenue
	2. <i>Dovyalis caffra</i>	1000	
	3. <i>Eucalyptus camaldulensis</i>	396	
	Total	9080	

About **27,601** seedlings of various species were raised during the above mentioned financial year.



Plate: 1 Seedlings at Tiva nursery

1.3 Other activities

- Stake holders trainings (melia propagation)
- Field/open days
- Public show (Machakos)

1.4 Challenges

- Outbreak of unknown disease which killed a lot of *melia* seedlings
- Frequent breakdown of our aging water generator in Tiva
- Constrained labour force



Plate: 2 Alternative water collection method

1.5 Way forward

- Entomologist should look into melia problem with urgency
- There is need for a new Water generator
- Propagation of melia is labour intensive and there need for additional personnel.



Plate: 3 diseased *melia* seedlings