

A technician demonstrating the technology behind Elephant ear table



Wooden pieces made by the carpentry unit at *an exhibition*



A team of technicians preparing to start sawing



Training of clients in sawmilling technology

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NARO NaFORRI

NATIONAL AGRICULTURAL RESEARCH ORGANISATION

FOREST PRODUCTS ENGINEERING UNIT

Developing and disseminating technologies that enhance efficient **harvesting, processing and utilization** of wood

NaFORRI

National Forestry Resources Research Institute

THE REPUBLIC OF UGANDA

This unit is under the Forest Products and Services Programme of NaFORRI. The unit aims at spear heading research activities and demonstrations on efficient utilization of forest products.

Overall Objective: To develop and disseminate technologies that enhance efficient harvesting, processing, handling and utilization of wood and non wood forest products.

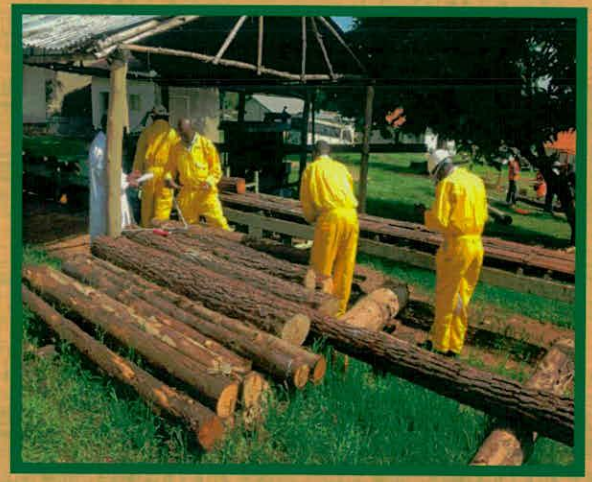
Specific objectives

i. Generate efficient methods of harvesting wood.
ii. Increasing wood conversion, efficiency while minimizing wood waste.
iii. Produce outstanding wood and non wood products while ensuring quality and professionalism
iv. Improve service life of timber and wood products.

This unit comprises of four sections which are Sawmilling, Timber treatment, Carpentry and Saw doctoring (maintenance)sections.

Sawmill

NaFORRI has a kara saw mill whose capacity is approx.10 m^3 of sawn wood per day for mainly conifer trees. This section converts logs into timber. The mill is mobile and has good productivity and accurate sawing.



Log volume assessment ahead of sawmilling

Timber treatment plant

NaFFORI has a timber treatment plant with a capacity of approx.28.5m^3 for treating wood. Treatment of wood protects it from fungi and insect attack but requires that the timber /sawn wood is well seasoned before application of preservatives. Treatment contributes to efficient and economic utilization of wood and its products.

Carpentry workshop

The carpentry workshop is equipped with modern carpentry machinery and well trained technical staff. It is mainly used for research and training but also produces quality wooden products of various designs at affordable prices for the public.



A queen bed designed and made at NaFORRI.

Saw doctoring (maintenance)

This section is mainly for repairing, maintenance and sharpening a wide range of cutting tools and saw blades in a bid to ensure quality & standard products. The saw doctoring section also offers its services to the public to maintain their cutting tools at a fee.