BIOKENAF Contract No: QLK5-CT2002-01729 Kick-off meeting Athens, April 9-10, 2003

WP4: Harvesting and Storage Trials

Objectives

- Appropriate harvesting time
- Appropriate harvesting and storage methods
- Techno-economic evaluation of feedstock storage

Harvesting Trial

- The main problem is the moisture content in the biomass
- The objective of this trial is to obtain a material with the moisture content around 25%.

To achieve this target:

- the moisture content of the kenaf biomass will be measured from November to January
- harvesting time will be determined according to the requirements of the raw material

Harvesting Trial

- For the harvesting of kenaf different machinery commonly used for maize and forrage will be tested
- The adaptability and performance of the machinery used will be determined
- The biomass harvested with different machinery – choped or baled - will be stored with different methods in different conditions.



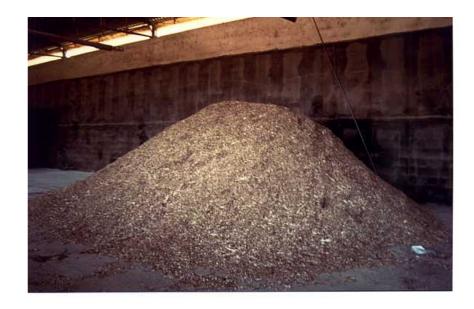


Storage Trial

- The chopped biomass will be stored, covered with plastics and in buildings.
- Biomass degreadation will be measured with non-destructive sampling







Storage Trial

- The balled biomass will be stored also covered with plastics and in buildings.
- Biomass degreadation will be measured with destructive sampling in order to determine the microbial degradation

Deliverables

- The appropriate harvesting time and methods
- The storage techniques in order to preserve the quality of biomass for the industrial or energy uses
- Information on biomass losses during the harvesting and storage