Is Briquetting the Answer?

Elsen Karstad

Chardust Ltd., Nairobi, Kenya

Unsustainable pressures on Kenya's indigenous forests

KENYA

Sawdust:

123,000 t./yr.

Waste Bagasse:

155,000 t./yr.

Coal Mining

Nairobi

- 3,000,000 people
- 40% using charcoal
- 15% discarded as dust
- 60% of dust collectable

Accumulation rate:

54 tons/day

Sieving

Milling

Adding water

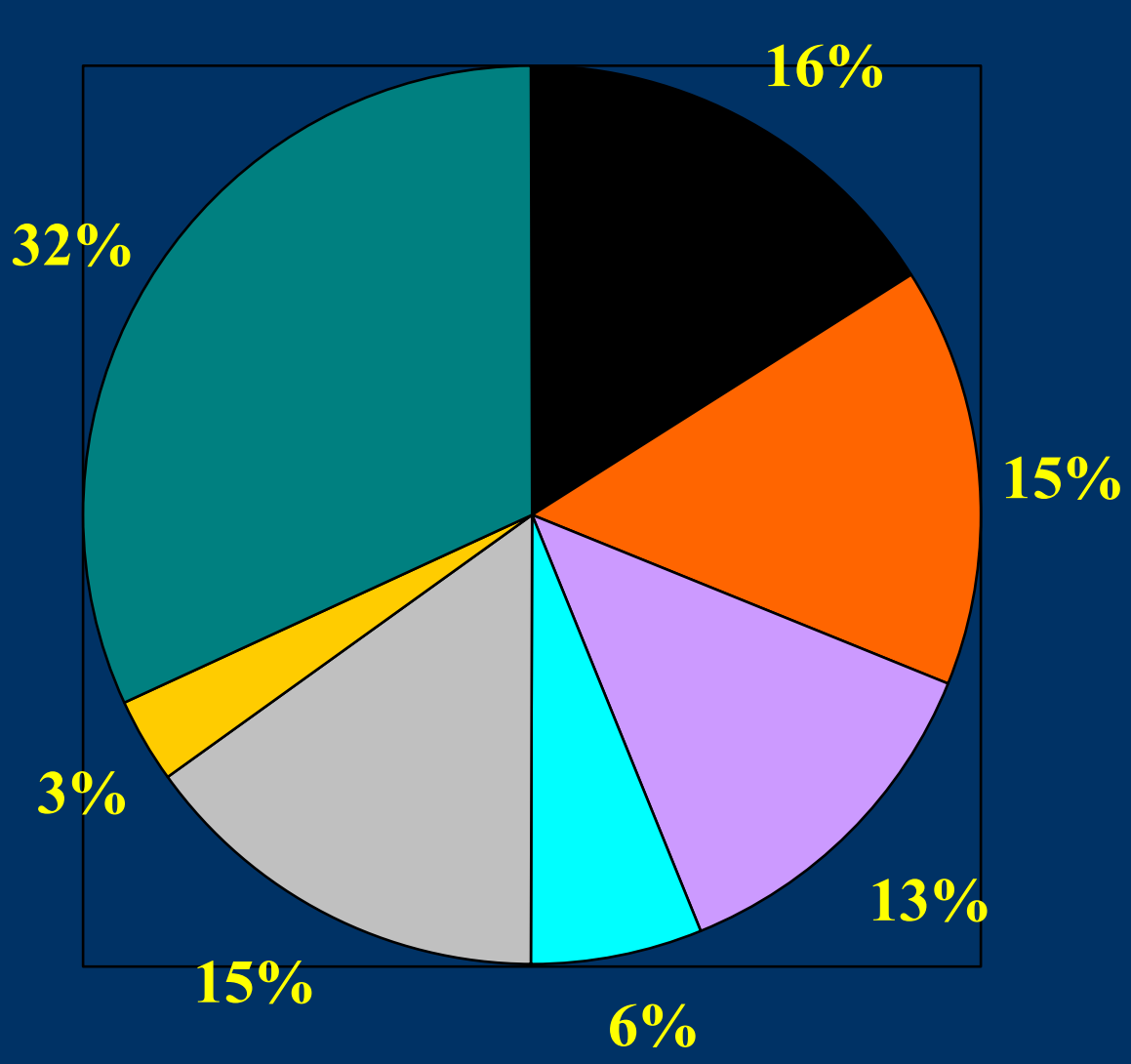
Extrusion

Drying

Nairobi Charcoal Prices

Lump wood: $0.11 kg
V.W.Briquette: $0.07 kg

Finances of VWB Production- Nairobi



At 4 ton/day

Particulate Biomass Carbonization

CaneCoal- Mumias Sugar Company

Chardust Ltd. Proposal- Oct./2000

- Total Cost of Production Facility: $114,000
  (6-month start-up period)
- Savings in Bagasse disposal (4,350 t): - $11,600
- Sales of CaneCoal Briquettes (700 t): - $46,700

Net cost to Mumias Sugar Company: $56,100

Briquetting is one way of supporting
a sustainable domestic fuel supply