The contribution of *Acacia seyal* natural stands in energy supply was discussed. The need for derivation of tree weight equations was indicated and equations were developed for determination of weight of standing timber and net weight, after felling and crosscutting, based on 127 sample trees. These equations are useful for inventory of *Acacia seyal* natural forests and estimation of weight contents of wood. Moisture content was determined for green and airdry conditions and expressed as percent of ovendry weight. Green, airdry and ovendry weight content in tonnes were also related to solid and stacked volume in cubic meter. Conversion factors were worked out to convert green stacked wood to airdry and ovendry weight.