

B-42: Forestry management system

D P Munaweera

(Forestry Planning Unit, Ministry of Forestry, Battaramulla)

A management plan is vital for any plantation and the absence of this leads to wastage in finance and time. The FMS (Forest Management System) computer package was developed as a tool for foresters and planners on macro and micro level.

The user inputs Diameter at Breast Height (DBH), height, dominant height, basal area, age, area of land, species and location. The package performs species groupings, volume calculations, site classification, growth estimates etc.

The program outputs timing of operations and treatments, production rates and assortments, operational statistics on production for each site and condition.

The model has been tested in different countries and is considered important in Forest Management Planning. A case study from Nigeria will be presented as an example.