

752. **Raizada, A. and Padmaiah, M. 1993.** Comparative biomass accumulation in four tree species in an energy plantation: effect of spacing. *Range Mgmt. & Agroforestry*, 14(1):61-66.

Deals with biomass studies of a plantation with four different tree species in the semi-arid tract of Karnataka. The fuelwood production from stem and branches after 6 years, were 42.62, 32.47, 22.46 and 17.82 t/ha in *Leucaena leucocephala*, *A.nilotica*, *A. indica* and *Eucalyptus* hybrid respectively, under 3 x 1 m spacing. At the age of 5 years, under 2 x 1 m spacing, the yields were 52.18, 24, 17.48 and 12.60 t/ha in *L.leucocephala*, *A.indica*, *A.nilotica* and *Eucalyptus* hybrid and *A.nilotica* respectively. Maximum utilisable biomass could be obtained from *L.leucocephala* under 2 x 1m spacing at 5 years (48.35 t/ha) followed by 3 x 1 m spacing at 6 years (40.3 t/ha) and under 2 x 2m spacing at 5 years (23 t/ha).