

933. **Samraj, P., Chinnamani, S. and Haldorai, B. 1977.** Natural *versus* man-made forest in Nilgiris with special reference to runoff, soil loss and productivity. *Indian For.*, 103(7):460-465.

Results of investigations on runoff, soil loss accumulation of leaf litter and timber yield under native vegetative cover and plantation of *Eucalyptus globulus* (bluegum) are presented. There was not much difference in runoff between different forest covers though a mixed plantation of bluegum and black wattle (*Acacia mearnsii*) gave less runoff. Litter production was nearly the same (2.315 tonnes/ha/year) in both native *Shola* forests and *Eucalyptus* plantations. Mixed plantation of bluegum and wattle is preferable to pure plantation from the point of view of soil and water conservation as well as wood production.