

871. Chinnamani, S. and Gupte, S.C. 1965. Surface runoff in the *Shola Forests* Nilgiris. *Agric. Res.*, 5(2):154-156.

Presents results of the studies on the surface runoff and soil loss conducted in *Shola* forests at Ootacamund. The size of the plots was 0.09 ha (0.25 acre) each. Runoff was collected from four plots from 1959 onwards. The mean monthly rainfall and runoff data were computed for five years from four plots. Correlation study on monthly mean rainfall and runoff show that the mean monthly rainfall is significantly correlated with mean monthly runoff at 0.01 level. Maximum surface runoff was recorded in south-west monsoon (June-August) as compared to north-east monsoon (September-November) and pre-monsoon (April-May). Very low surface runoff and no soil loss can be attributed to good tree canopy and dense undergrowth, deposition of leaf litter, high humus content of the soil and high infiltration rate.