

728. ✓ Prajapati, M.C., Tiwari, A.K., Nambiar, K.T.N., Singh, J.P., Malhotra, B.M. and Sharda, V.N. 1989. Effect of goat grazing on vegetation, runoff and soil loss in a stabilized ravine watershed *vis-a-vis* animal growth. *Indian J. Soil Conserv.*, 17(1):9-16.

A watershed of 7.3 ha at Agra was planned with trees and grasses in 1961 and protected simultaneously with 18 gully plugs equipped with a triangular weir and an automatic water stage level recorder for monitoring soil and water losses. It is inferred that under direct conditions grazing of 4 goats/ha in a ravine watershed protected by 20 years old forest and 2-3 gully plugs per ha has no adverse effects on protective characters of vegetation as well as on runoff and soil loss characteristics of watershed. On the other hand, it produced about 1.65 goat/month of live body weight, corresponding to about Rs. 1600/ha/annum.