

310. **Mittal, S.P., Singh, P., Agnihotri, R.C. and Sud, A.D. 1989.** Effect of strip cropping of maize and legumes on runoff, soil loss and productivity. *Indian J. Soil Conserv.*, 16(2): 12-16.

The study was conducted for three years (1984 to 1986) in runoff plots of uniform length of 90m, width 10m and slope 1.5%, fixed with automatic Stage Level Recorders and Coshocton Wheel Samplers for measurement of runoff and soil loss. Strips of maize and clusterbean were most effective in reducing runoff (30.9%) and soil loss (3.34 t/ha) and peak discharge. Reduction in runoff due to T was 28, 24, 18 and 17% and in soil loss 68, 43, 35 and 30% over T₁, T₂, T₃ and T₄, respectively. Mean maximum yield of maize (1837 kg/ha) was obtained from maize across the slope treatment.