

in degraded mine spoil.

1106. Dadhwal, K.S., Pratap Narain, Singh, B. and Singh, R. 1989. Infiltration characteristics of limestone mine spoil in the outer Himalayas of Uttar Pradesh. *J. Ind. Soc. Soil Sci.*, 37 (2):223-228.

The infiltration characteristics of limestone minespoil/debris sites covering four blocks

and four normal soils from the same blocks from outer Himalayas of Uttar Pradesh (India) were investigated. Steady state infiltration rate has positive correlation with bulk density ( $0.36^*$ ) and negative correlation with water holding capacity ( $0.31^*$ ) although correlation coefficients were low. Minespoil sites had highly calcareous nature and bulk density and were poor in organic carbon and water holding characteristics. Infiltration rate of minespoil was higher (almost double) as compared with the normal soils. The functional relationship  $Q = at^\alpha + b$  for cumulative infiltration and  $Y = at^\alpha$  for infiltration rates were found best fit.