

unfertilized crop.

- 1004. Sumer Chand and Gupta, R.K. 1980.** Studies on infiltration rates of various landuses in Bhaintain watershed. Abst. 8, National Symp. on "Soil Conservation and Water Management in 1980's", Dehradun, March 12-13, 1980: 5-6.

Studies on infiltration rates were made on various land uses in Bhaintan watershed—typical catchment area of the Ganga in the Tehri-Garhwal hills by employing a double ring infiltrometer under constant head. Different existing land uses in the watershed are forest, crops, horticulture and grassland, individual sites within a single land use showed a wide variation in infiltration rates. First hourly infiltration rate (cm/hr) was in the range of 3.20 to 5.20 (forest land), 2.40 to 7.05 (crop lands), 3.70-4.95 (horticultural lands) and 4.20 (grassland). Landusewise average infiltration rates were in the increasing order of croplands > good terraced lands > poorly terraced lands > grasslands > forest lands.