



SPATIAL PATTERN OF CARRYING CAPACITY OF LAND IN SOUTHERN KUMAON REGION

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ABSTRACT

The present paper is a modest attempt to compute the carrying capacity of land in Southern Kumaon region on the basis of potential production unit and standard nutritional requirement as proposed by National Institute of Nutrition, Indian Council of Medical Research. The carrying capacity of land in Southern Kumaon region has been worked out in three temporal frameworks i.e. 1994-1995, 2007-2008 and 2015-2016. The resulted values are reasonably grouped on the basis of 'Nested mean' statistical techniques. For the presentation of voluminous data on maps ARCVIEW GIS (9.3) software has been used. An account for the determinants of the carrying capacity of land has been made in relation to physiographic condition of the region. In the end it was noticed that there is a negative relationship between altitude and carrying capacity of land in Southern Kumaon region.

KEYWORDS: *Potential Production Unit, Carrying Capacity, Bhabar, Tarai and Nested Mean.*