

provided sustainable production of fuel and fodder in deep ravines.

708. **Negi, R.S. and Gupta, R.K. 1978.** Preliminary studies on a few top-feed species from the outer ranges of Mussoorie hills. *J.Himalayan studies and Reg. Dev.*, 2:45-47.

Nutrient values and palatability ratings in respect of 19 shrubs and tree species of the outer Himalayas have been determined. The leaves of most of the species are more or less eaten by the livestock from the view point of palatability, nutritional status and easy availability. *Grewia oppositifolia*, *Boehmeria rugulosa*, *Quercus incana*, *Sterculia pallens* and *Bauhinia retusa* are the best top-feed for the cattle and constitute an important source of leaf fodder. The need for proper management of the top-feed species has been emphasised.