

890. **Gupta, S.K., Ram Babu and Nayal, M.S. 1969.** Comparison of peak discharge rates by various methods. *The Harvester*, 11(3):150-154.

Using various parameters of the watershed and the published values of the various factors used, the peak rate of runoff was estimated for some watersheds in Doon Valley. The rational method gave higher than actual values while Cook's method underestimated the peak rate of runoff. Hydrologic soil cover complex number was found to be the most suitable. To obtain reliable data for rational method, runoff coefficient values of 0.23 and 0.5 for agricultural and forest land are indicated.