

791. **Sastry, G. and Dhruva Narayana, V.V. 1984.** Watershed responses to conservation measures in Doon Valley (India). *J. Irrigation and Drainage Engg., ASCE*, 110(1):14-21.

In Doon Valley when a natural forest watershed open to grazing is deforested and cultivated, volume and peak rates of runoff were higher. When the agricultural watershed is treated with soil and water conservation measures, the peak rate and volume of runoff are reduced by 86 and 62%. When another comparable natural forest watershed is provided with brushwood check dams at appropriate locations, although no appreciable reduction in peak rate of runoff was observed, soil loss was reduced by 54%.