

941. **Sharda, V.N., Bhushan, L.S. and Raghuvir. 1982.** Hydrological behaviour of ravineous watersheds under different landuses. Proc. Internl. Symp. on "Hydrological Aspects of Mountainous Watersheds", Roorkee, Nov. 04-06, 1982. VI:14-18.

To study the effectiveness of trees and grasses in preventing erosion and extension of ravine, a study was started at Agra in 1962. In one watershed, *Cenchrus ciliaris* grass was sown and *Dalbergia sissoo* was planted in the second watershed. The runoff hydrograph revealed superiority of mixed vegetation of trees and natural grasses. There was also a significant reduction in transportation of soil from the two watersheds. Staggered contour trenches proved very effective in preventing extension of ravines and interception of runoff and sediment.