

good terraced lands > poorly terraced lands > grasslands > forest lands.

- 1005. Tripathi, K.P. and Samraj, P. 1994.** Hydrological evaluation of land use effects in southern hilly region of India. Proc. Vol. II, 8th Intl. Soil Conservation Conference, Dec. 4-8, 1994, New Delhi, India (1997): 833-847.

The paper discusses sustainable land management practices like bench terracing, puertorican terrace system, graded trenching on arable lands having 16-33% slopes in Western Eastern Ghats of India. Bench terracing was found superior on arable lands. However, puertorican terraces were found cheaper considerably. For lands having more than 33% slope, permanent vegetation of natural *shola* forest, *Acacia mearnsii* and *Eucalyptus globulus* has been suggested. On the basis of 7-year study, it has been indicated that natural made forests of *E.globulus* reduce runoff by 16% during the first rotation of 10 years.