

The need for proper management of the top-feed species has been emphasised.

- 709. Nema, J.P., Tejwani, K.G., Dhruva Narayana, V.V. and Kamannavar, H.K. 1980.** Sediment deposition against composite check dams in sub-watersheds. Abst. 27, National Symp. on "Soil Conservation and Water Management in 1980's", CSWCRTI, Dehradun, March 12-13, 1980: 18.

The sediment disposition against earth-cum-brick masonry check dams of 1.20 m fall were studied in the five ravinous subcatchments having an area of 2.10 ha to 17.66 ha. The results show that the subcatchment having high upstream bed slope gives high sediment yield and, therefore, fall requirement of checkdam will be more. The average trapped sedimentation measured from the two sub-watersheds having agricultural crop in tableland as well as in

gully bed is 24.51 cu m/ha/year. The average sediment deposition from same sub-watershed having agricultural crop in table land and natural regeneration in gully bed is 4.20 cu m/ha year. The fall requirement of checkdams were also suggested in the paper.