

has given the highest net return of Rs. 9,765/ha/annum with B:C ratio of 2.0.

814. Singh, Hukam. 1980. *Pennisetum pedicellatum* (Deena Nath grass) for rainfed conditions in Doon Valley. Abst. 41, National Symp. on Soil Conservation and Water Management in 1980's, Dehradun, March 12-13, 1980.

Fourteen varieties of *Pennisetum pedicellatum* Trin. were tested for cultivation under rainfed

conditions in silty clay loam soil at Selakui, Dehradun from 1977 to 1979. The data indicated that the rainfall received during the growth period of the crop positively influenced the growth and forage yields in all the varieties. Taking into consideration the green forage, yield, dry matter, leaf-stem ratio, stem thickness, varieties IGFRI-43-1, IGFRI-870 and T-15 are recommended for cultivation in the Doon Valley under rainfed conditions.