

497. **Singh, Pratap, Mittal, S.P. and Sud, A.D. 1985.** Land and water management in rainfed areas for increasing productivity. Abst. 96, Voluntary Papers, National Seminar on "Soil Conservation and Watershed Management", September 17-18, 1985, New Delhi: 65-66.

The paper indicates that proper land and water management practices in agricultural fields, situated at Shiwalik foothills, increased maize, blackgram and greengram yield by more than 300% and that of gram and *taramira* by more than 200%. Planting of *Eulaliopsis binata* (*Bhabar* grass) on field bunds provided protection against breaching of bunds and also gave an additional income of Rs. 600 per ha from the sale of grass. Excess runoff from the hilly area and agricultural fields can be collected behind earthen dams and in the farm ponds, respectively for recycling. Stored rain water when used for limited irrigation increased yield of wheat from 7 to 34, gram from 4 to 14, *taramira* 3.8 to 10.9 and *sarson* from 2.9 to 6.8 g/ha.