

976. **Verma, B., Singh, Ratan and Prakash, C. 1987.** Consumptive use rates of crops in irrigated reclaimed lands at Kota. Abst.No. 41, National Symp. on "Land and Water Management in Ravines". CSWCRTI, Research Centre, Agra, March 19-22, 1987: 37.

Discusses the results of a study conducted in weighing type lysimeter (120 x 120 x 120 cm) in South-east Rajasthan to find out evapotranspiration 'ET' by moisture budgeting and water use efficiency of soybean (var. Moneta) and mustard (var. Pusa Kalyani) by

irrigating the crop at 50% and 75% depletion of field moisture capacity respectively. Results showed that in case of soybean, out of total water input of 840 mm evapotranspiration was 484.4 mm with crop yield of 24.3 q/ha grain and 17.4 q/ha straw within crop period of 88 days during *kharif*, 1985. Water use efficiency of crop was 50 kg ha⁻¹cm⁻¹ for grain and 36 kg ha⁻¹ cm⁻¹ for straw as dry matter. Mustard yielded 14.8 q/ha oilseed and 10.4 q/ha stover. ET was found to be 424.8 mm during crop period of 127 days in *rabi*, 1985-86.