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Verma, B., Rao, D.H., Saxena, H.G. and Singhal, A.K. 1980. Behaviour of agriculture micro watershed in semi-arid tract of Kota region. Abst. 14, National Symp. on "Soil Conservation and Water Management in 1980's", Dehradun, March 12-13, 1980: 09.

At Kota, an H-flume and runoff sampler with water stage recorder was installed in 1974 on an agricultural micro watershed of 0.4 ha area to find out peak and total runoff, soil loss vis-a-vis crop growth. Average annual runoff and soil loss were 16 cm and 3.44 tonnes/ha respectively. The value of 'C' in Ramser's Rational Formula was found to be as high as 0.8 for individual storms when 'Antecedent Moisture Condition' (AMC) was group III. With almost same amount of rainfall received on an average in July and August, July recorded 44.7% of total runoff and 77.9% of total soil loss against 49% runoff and 20.1% of total soil loss in August. Evapotranspiration (ET) of jai *jowar*+*arhar* (local) mixture was 59.8 and 70.0 cm till harvest of *jowar* and *arhar*, respectively. ET for same period for