

an acceptable result for this watershed.

982. **Yadav, R.C., Bhushan, L.S., Lal, B. and Reddy, K.K. 1988.** Field evaluation of micro-catchments. *Indian J. Dryland Agric. Res. & Dev.* 3(2):112-121.

Four micro-watershed shapes and surface cover combinations viz. contour watershed, V-shape watershed and diagonal watershed, with and without partial cover (polythene sheet spread from upstream side to cover 50% of microwatershed) were studied under field condition for determining their runoff inducement efficacy and soil loss behaviour in deep alluvial soil. The runoff inducement efficacy ranging from 40-70% was different for different shapes and surface cover with daily rainfall. The V-shape micro-watershed produced (30-85% rainfall) nearly 8-10% more runoff than that of contour watershed (20-80%). Partial cover produced 5% more runoff than without cover. Diagonal watershed produced 43% runoff. The treatment induced various spatially differential moisture regimes. The crop performance under these moisture regimes will determine suitability of micro watersheds in an agro-climatic zone.