block size resulted in an increase in efficiency.

62. **Ram Babu, Agarwal, M.C. and Gupta, R.K. 1983.** Size and shape of plots a blocks for field experiments in natural grasslands of outer Himalaya under vario slopes. *Indian J. Soil Conserv.* 11(2&3):39-47.

A two year uniformity trial on natural grasslands of *Themeda arundinella* cover on differe slopes of outer Himalayas revealed that the coefficient of variation decreased in all the h slopes with an increase in plot size upto 12 m^2. The equation $y = ax^{-b}$ fitted well to t relationship between coefficient of variation (y) and plot size (x) on all the hill slop With Smith's cost structure, the optimum plot size was worked out to be 3-4 m^2 in 10-15 15-25%, 25-35% slopes and 4-6 m^2 in 35-50%, 50-100% and more than 100% slop Block efficiency decreased with an increase in block size. The relationship $y = ax^b$ betwe coefficient of variation (y) and block size (x) was fitted well except for a few cases on 2 35% and more than 100% slope.