

coefficient of variation (y) and block size (x) was fitted well except for a few cases on 25-35% and more than 100% slope.

63. **Ram Babu, Agarwal, M.C., Sharma, S.K. and Singh, J.P. 1985.** Size and shape of plots and blocks for field experiments with *Prosopis juliflora* in Agra ravines. *Ann. Arid Zone*, 24(4):346-357.

A study was conducted on 8 years *Prosopis juliflora* trees planted at 3m x 3m spacing with uniform cultural treatments. The data on green weight (kg/tree) and girth at breast height or g.b.h. (cm/tree) of all trees in two different compartments (12 x 12 trees and 12 x 8 trees) were analysed to find out the optimum plot and block sizes for conducting field experiments. The CV decreased with the increase in plot size upto a plot of 6-8 trees with and without block arrangements in the two compartments for both, the green weight and g.b.h.