

66. Ram Babu, Agarwal, M.C. and Gupta, R.K. 1993. Size, shape and arrangement of plots for field trials on different rangelands of India. *Range Mgmt. & Agroforestry*, 13(2):117-124.

The paper reviews the results of experiments on size and shape of plots and their arrangements in blocks for conducting field trials for different rangelands of India. The plots of 6 to 12 m² size with elongated shape along the slope on outer Himalayas and Vindhya hills, and with compact shape on Shiwalik hills were found most suitable. In the case of ravines, the plots of 12 to 24 m² size with long and narrow shape on ravine slope and across the slope on ravine top and bottom were appropriate. The square-shaped plot of 6 to 9 m² would be most suitable in semi-arid (Vindhya) region. However, for the region of Deccan Plateau, the circular or square plot of 4m² was found suitable. The smallest practicable size varying of 4 m² was found suitable. The smaller practicable size varying from 6 to 12 m² with long and narrow shape was found to be more efficient for experimentation in the rangelands in arid regions.