

9. **Agnihotri, Y. and Agarwal, M.C. 1995.** Uniformity trials for determination of optimum size and shape of plots/blocks for experimentation with *Acacia catechu*. *Indian For.*, 121(8):711-716.

In this paper, an attempt has been made to find out the optimum size and shape of plots and blocks of *Acacia catechu* for field experiments in Shiwalik foothills through uniformity trials. A uniformity trial was conducted on 8 years old plants of *Acacia catechu* (spacing 2m x 2m) at Chandigarh. Height and GBH data of all the individual plants were recorded in 24 x 24 compartment and analysed for determination of optimum plot and block sizes for conducting field experiments. A plot of size 8-12 plants appears to be optimum. Smith equations fitted well in the CV and plot size