Volume Estimation of *Pinus tecunumanii* in the Federal District Savannah

Abstract

The objective of this research was to test several mathematical models that express the relationship of the volume with diameter at breast height of Pinus tecunumanii trunks and commercial height and to select the best one. Nine traditional models used in the forest sector were selected. The selection of the best model was based on the following choice approaches: adjusted determination coefficient, standard error of estimate in percent and graphic analysis of residuals. The Meyer model was the best one for volume estimating of individual trees with and without bark.

Index terms: volume equations, models selection.