PREDICTION OF GROWTH AFTER
THINNING OF OLD-FIELD SLASH PINE PLANTATIONS

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ABSTRACT

A stand-projection algorithm is given for projecting stand structure in old-field slash pine plantations from current stand statistics that represent conditions after thinning from below, or without thinning. The algorithm is based on data collected from 212 quarter-acre plots in the slash pine range of Georgia, Florida, Alabama, and Mississippi. Plots represented ages from 9 to 32 years, basal areas from 25 to 150 square feet, and site indexes (at base age 25) of 47 to 80 feet. Projections for selected combinations of age, site index, and density are evaluated for total cubic-foot and board-foot volume production after thinning of 20, 25, 33, and 50 percent of volume and without thinning.

This paper represented a preview of a forthcoming Southeastern Forest Experiment Station Research Paper. The full text can be obtained from the Station in Asheville, N.C. under the title given above.