

SYMPOSIA**FORESTRY IN THE NEW MILLENIUM**

THIRD-YEAR PINE GROWTH RESPONSE TO WOODY RELEASE TREATMENTS INCLUDING OUST XP. A.W. Ezell, J.L. Yeiser, and L.R. Nelson; Mississippi State University, Starkville, MS; Stephen F. Austin State University, Nacagdoches, TX; and Clemson University, Clemson, SC.

ABSTRACT

A total of six or eight herbicide treatments were applied to loblolly pine plantations in September of the second growing season after planting. Six treatments were applied in Texas and South Carolina and eight were applied in Mississippi. The treatments including Oust XP provided excellent weed control the growing season following applications except those plots in Texas which contained woolly croton. Both height and diameter growth were enhanced by the treatments, during the second year after treatment, especially in Mississippi where better herbaceous weed control resulted due to a lack of woolly croton in the plots. Third-year growth measurements were recorded in Mississippi and the trends observed in the second year continued in year three following treatment. Overall, treatments containing Oust XP resulted in better height and diameter growth. Only the highest rate (16 oz/A) of Arsenal AC alone provided growth as good as the treatments which contained Oust XP and a lower rate of Arsenal AC.