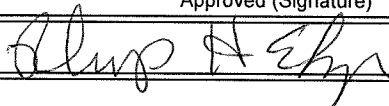


RNB

U.S. Department of Agriculture Accomplishments Report AD-421 U.S. Dept. of Agriculture, State Agricultural Experiment Stations and Other Institutions			Date (Month, Day, Year) 03/22/2012
1. Accession 0225051	Agency Identification No. 2. NIFA 3. LA.B	5. Work Unit/Project No. LAB94096	6. Status Annual Report
7. Title Genetic and Environmental Factors Affecting Maximum Size-Density Relationships and Production in Southern Pines			
12. Investigator Name(s) (Last Name and Initials) Dean, T. J.			
20. Termination Date 03/31/2015		40. Period Covered (mo/da/year): 01/01/2011 TO 12/31/2011	
Outputs: Research findings have been discussed with other forest scientists. Graduate Student Years: 0			
Outcomes/Impacts: Analyses of the effects of stand density on gross volume increment were conducted during this period. Preliminary results indicate that stand density is a good predictor of growth only when growth is standardized on the basis on individual-tree height increment. Additional data sets representing a broader range of species is being sought. Outcomes of this analysis also suggest that the relationship between stand density and standardized stand growth is linear when plotted on log-transformed axes.			
Publications: No Publications Reported			
Participants: Dean, T.J. (PI), LSU AgCenter; and S.D. Roberts, Mississippi State University.			
Target Audiences: The target audience at this stage of the project is other forest scientists. The ultimate target audience for this analysis will be forest resource managers			
Project Modifications: Nothing significant to report during this reporting period.			
Approved (Signature)		Title	Date
			3/23/12