

EFFECT OF SEED SIZES ON SEEDLING GROWTH OF SOME SAVANNA TREE LEGUMES

A. O. EBOFIN¹, D. A. AGBOOLA¹, M. S. AYODELE¹ AND²A.M.ADURADOLA

Dept. of Biological Science University of Agriculture, University Of Agriculture,
Abeokuta

Department of Forestry & Wildlife Management, University Of Agriculture, ,
Abeokuta

ABSTRACT

Investigation were made on the effect of seed sizes on seedling growth in four savanna general utility tree, legumes were made. The tree species include *Prosopis african.* (Guil & Perr) Taub; *Parkia biglobos!*.(Jacq) R. Br. Don; *Cassia siamea* (Lam) and *Albizia lebbeck* (Linn) Benth. Two seed-sizes designated small-size (Ss) and Big-size (B) were identified in the four species. There were significant differences ($p>0.05$) in total dry weights of plants raised from the big and small-sized seeds in *P. biglobosa*, *C. siamea* and *P. africana*. There were no significant differences in mean plant height among seedlings raised from both seed-sizes in *P. africana*, *A. lebbeck*, and *C. siamea*. Leaf numbers are significantly higher ($P>0.05$) in seedlings of *P. biglobosa* raised from small-sized seeds.

Keyword

Seed-sizes, savanna, tree - legumes, seedling, growth *Parkia biglobosa*, *Prosopis africana*, *Cassia, siamea*, *Albizia lebbeck*