

The Journal of Horticultural Science & Biotechnology

Vol. 84 No: 1

Title:

Micropropagation of recalcitrant-seeded *Ekebergia capensis* Sparrm. using *in vitro* nodal segments and roots

Authors:

E. HAJARI, P. BERJAK, N.W. PAMMENTER and M.P. WATT

pp: 87-91

Abstract:

The present study reports the development of *in vitro* micropropagation protocols for *Ekebergia capensis* Sparrm., a species that produces unstorable recalcitrant (non-orthodox) seeds. Suitable protocols were established for shoots generated from nodal segments excised from *in vitro*-germinated seedlings, and for adventitious shoots generated from intact *in vitro*-germinated roots. Difficulties were experienced when attempts were made to micropropagate germplasm from established saplings. The protocols developed have important applications for the conservation (cryopreservation and clonal multiplication) of germplasm of this species.