

EVALUATION OF RUBBER (*Hevea brasiliensis* Muell Arg.) FOR
DRAUGHT RESISTENCE. I. PERFORMANCE OF SOME CLONES UNDER
INCREASING WATER DEFICIT CONDITIONS

Heraclito Eugenio Oliveira da Conceição²
Marco Antonio Oliva³
Nei Fernandes Lopes⁴
Olinto Gomes da Rocha Neto²
Elizabeth Arndt⁵

The effects of increasing water deficits in soil on photo
synthesis, stomatic resistance and leaf water potential w
e re studied in 85-day-old young plants of clones IAN 717, IAN
873, IAN 2903, IAN 3087, IAN 6323 and Fx 3899 growing in
the greenhouse. Clones were observed to be influenced to a
varying degree when the water deficits in the soil in
creased. Characteristic performance as revealed by these
physiological indicators for draught resistance suggested
that IAN 717, IAN 873 and IAN 3087 were the most tolerant
to dehydration, IAN 6323 capable of preventing it and IAN
2903 and Fx 3899 having more of the characteristic in pre

¹ A part of a Master's thesis of the 1st author for the
Master's degree in Plant Physiology.

A paper carried out with financial resources provided
thorough a SUDHEVEA/EMBRAPA agreement.

² Eng^o Agr^os, Pesquisadores do Centro Nacional de Pesquisa
de Seringueira e Dendê (CNPSP) - EMBRAPA, Caixa Postal
319, CEP 69.000, Manaus-AM.

³ Biólogo, Ph.D Professor da Universidade Federal de Viçosa.
Viçosa-MG.

⁴ Eng^o Agr^o, Ph.D Professor da Universidade Federal de
Viçosa. Viçosa-MG.

⁵ Eng.^a Agrícola, Bolsista do Convênio CNPq/EMBRAPA - Enge
nharia Agrícola.

ventingin rather than toleranting dryness.