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Elicitation with Multi-walled Carbon Nanotubes During Micropropagation in a Transformed Line of *Stevia rebaudiana*

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Abstract

This study is about the use of multi-walled carbon nanotubes (MWCNTs) during shoot multiplication and rooting of transgenic *Stevia rebaudiana* grown in vitro. The experimental study was conducted using 3, 5 and 10 ppm of MWCNTs for shoot multiplication and rooting. During shoot multiplication, MWCNTs demonstrated improvements in biomass production, leaf length and leaf morphology at a concentration of 10 ppm of MWCNTs. MWCNTs also improved rooting, with 100% rooting frequency at 3 ppm concentration of MWCNTs. At a