

Effects of salinity stress on potato (*Solanum tuberosum* L.) micropropagation

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The effect of salinity on plantlets growth was determined under saline medium and non-saline with five varieties of potato (Christian, Roclas, Marfona, Riviera, Tresor). Plantlets belonging to those varieties, were propagated through single nodal culture. To study the effects of salinity (NaCl) on the growth of single nodal explants, they were cultured on MS media with different concentrations of NaCl including 0, 25, 50, 75 and 100 m mol l⁻¹. Growth of single nodal explants on the media with NaCl indicated that all the characters

differed significantly among salinity levels. By increasing salinity level the value for all the parameters decreased.