

## ARTÍCULO CIENTÍFICO

# INFLUENCE OF SUCROSA AND COTYLEDONS ON CITRUS MICROGRAFTING

Lihua Quispe, Liz Julieta<sup>a</sup>; Calderón Rodríguez, Abelardo Ciro<sup>a</sup>; Cabrera Pintado, Rosa María<sup>b\*</sup>

<sup>a</sup>Universidad Nacional Agraria La Molina, Facultad de Ciencias-Biología, Av. La Molina, La Molina, Lima, Perú,

<sup>b</sup>Instituto Nacional de Innovación Agraria (INIA), Av. la Molina 1981, La Molina, Lima, Perú

## Abstract

The objective of this work was to determine the influence of six treatments that combines sucrose levels in the culture medium and the number of cotyledons of the rootstock, in order to obtain an optimal micrografting protocol for its subsequent potential use for the elimination of the Citrus Tristeza Virus (CTV) from *Citrus* infected cultivars. We used seeds of Citrange Troyer and fresh flushes of Eureka lemon and Washington Navel orange. Our results showed that the best disinfection treatment for seeds was 0,16% NaClO for 5 minutes, and for fresh flushes was 1% NaClO for 20 minutes. As well, we recommended as optimal micrografting protocol, to used 45 g.L<sup>-1</sup> of sucrose with one cotyledon in the rootstock for Eureka lemon, and Washington Navel orange, to use 45 or 75 g.L<sup>-1</sup> of sucrose and a rootstock without cotyledons.

**Keywords:** Sucrose, cotyledons, *in vitro* micrografting, lemon Eureka, orange Washington Navel.

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\* Correspondencia a: Instituto Nacional de Innovación Agraria (INIA), Av. la Molina 1981, La Molina, Lima. Teléfono: +51 999 045 224.  
Correo electrónico: rcabrera@inia.gob.pe