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Author: Valdionei Giassi Camila Kiritani Katia Cristina Kupper



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Bacteria as growth-promoting agents for citrus rootstocks

Valdionei Giassi^{a,b}, Camila Kiritani^b, Katia Cristina Kupper^{a,c*}

^aGraduate Program in Agricultural Ecology and Rural Development, Universidade Federal de São Carlos, Centro de Ciências Agrárias, Araras, SP, CEP 13600-970, Brazil.

^bCentro de Pesquisa Mokiti Okada, Ipeúna, SP, CEP 13537-000, Brazil.

^cSylvio Moreira Citriculture Center/IAC, Laboratory Plant Pathology and Biological Control - CEP 13490-970, Cordeirópolis/SP, Brazil

Corresponding author at: Laboratory Plant Pathology and Biological Control - Sylvio Moreira Citriculture Center/IAC – Rodovia Anhanguera, Km 158 - CEP 13490-970, Cordeirópolis/SP, Brazil. Tel.: +55 (19)3546-1399. E-mail address: katia@centrodecitricultura.br (K.C. Kupper).

Abstract

The microbial community plays an essential role in maintaining the ecological balance of soils. Interactions between microorganisms and plants have a major influence on the nutrition and health of the latter, and growth-promoting rhizobacteria can be used to improve plant development through a wide range of mechanisms. Therefore, the objective of the present study was to evaluate bacteria as growth-promoting agents for citrus rootstocks. A total of 30 bacterial isolates (11 of *Bacillus* spp., 11 actinobacteria, and 8 lactic acid bacteria) were evaluated *in vitro* for indoleacetic acid production, phosphate solubilization, and

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