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Horticultural Research (Japan)

Vol. 9 (2010), No. 1 47-52

Inhibition of On-tree Fruit Softening of 'Saijo' Persi Ion Treatment

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(Received June 24, 2008) (Accepted May 20, 2009)

The influence of replacing Fe²⁺ with other divalent cations to inhibit on ethylene production in fruit and on-tree fruit-softening of 'Saijo'

investigated. When studying the effects of spraying treatment of fruit of NiCl₂, CoCl₂, and CuSO₄ solutions (2 days after ethephone trea fruit softening induced by ethephone, it was determined that a NiCl₂ concentration of 1,000 ppm was most effective for inhibiting fruit so studying the inhibitory effect of spraying NiCl₂ solution to prevent o was observed that treatment during early or mid-September or early effect on inhibiting fruit softening and spraying had no effect after on already occurred. However, by combining the serial application trea September and again in early October, the ethylene concentration is one-in-three trees treated tended to show inhibition of on-tree fruit hardiness of flesh receiving two treatments remained higher than tha While the possibility of inhibiting on-tree fruit softening by treatment was shown in this study, further investigation is necessary to clarify replication experiments in future years and on other trees.

Key Words: ACC oxidase, divalent cation, ethylene

[PDF (422K)] [References]

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To cite this article:

Toshikazu Matsumoto, Takao Kurahashi, Shingo Matsumoto, Kaz Maki, Yoko Tsurunaga and Hiroyuki Itamura. 2010. Inhibition of Gajo' Persimmon by Nickel Ion Treatment. Hort. Res. (Japan) 9