

**Title** Effects of postharvest calcium treatment on apple quality and K ion leakage.  
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#### **Abstract**

Fruit of Liao Fu' apple infiltrated postharvest with CaCl<sub>2</sub> solution of up to 6% (W/V) has higher flesh firmness and lower rates of K ion leakage from cortical tissue than untreated fruit, and the fruit infiltrated with deionized water during a 12-day period at ambient temperature immediately following treatment. Changes of flesh firmness and the rates of K ion leakage were related to the applied CaCl<sub>2</sub> concentrations; However high CaCl<sub>2</sub> concentration induced some surface injury, which was more obvious in the later days of storage.