

Effect of Intermittent Warming Treatment on the Postharvest Quality of Atemoya (*Annona squamosa* x *A. cherimola* hybrids) fruit

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Abstract

The purpose of this study was investigated the effect of atemoya fruit at intermittent warming treatment. Atemoya fruit placed in four treatments for 14 days, including 1). 20°C (2 days) +3°C (5 days) +9°C (7days), 2). 20°C (2 days) +6°C (5 days) +9°C (7 days), 3). 20°C (2days) +9°C (12 days), and 4). 9°C (14 days). The results showed that ripe days and total soluble solids content had no significant difference among treatments. Fruit skin browning, core browning, abnormality, and taste had significant difference among treatments. Fruit skin after ripe were browning in two treatments that 20°C (2 days)+9°C(12 days) and 9°C(14 days), browning rate were 100% and 88.9%, respectively. In summary, 20°C (2 days) +3°C(5 days) + 9°C(7 days) treatment and 20°C (2 days)+6°C (5 days)+9°C (7days) were showed the best quality, fruit was ripe after 2 to 5 days and had good flavor.

Keywords : *Annona squamosa* x *A. cherimola* hybrids, Intermittent warming temperature, Fruit quality

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