

Effect of storage temperatures and use of wax on the respiratory activity and internal composition of passion fruit *Passiflora edulis* f. *flavicarpa* Degener cv 'Maracuya'

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Abstract

These results were obtained in an experiment carried out with fruits of passion fruit cv 'Maracuyá'. The harvest was done with scissors early in the morning, Then, fruits were moved to the lab in plastic baskets and then the fruits were selected, washed and disinfected with a solution of Benomil (1%) + sodium hipoclorite (10%), and air dried. Effect of two storage temperatures (12 and 25°C) and use of wax (Primafresh C) in two concentrations (0 and 100%) on physiological, physical and chemical fruit characteristics were evaluated during postharvest time. Use of wax and/or a storage temperature of 12°C ± 80% relative humidity, extended the shelf-life of the product, reduced the weight losses and maintained an adequate external appearance.

Key words: Passion fruit, *Passiflora edulis* f. *flavicarpa*, postharvest, storage, wax coated.

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