

### Abstract:

Flower quality parameters (FW, vase life, colour, osmotic potential, water uptake, transpiration rate and total soluble solids) were measured to examine the effects of treatments on postharvest quality of anthurium (*Anthurium andraeanum* L. 'Tropical'), after long-distance shipment. With a vase life of about 16 d the effects of a 'heat treatment' (60°C, 15 s) and 'ultrasonic treatment' (1 min) differed significantly from the non-treated control (11.9 d). However, the differences between stem-end treatments (heat and ultrasonic) for vase life were small and non-significant. Non-treated control flowers showed lower FW and earlier spathe blueing than heat-treated and ultrasonic-treated flowers. Spathe chroma value of flowers placed in Biovin, tap water, and 8-HQS was improved during vase life whereas spathe red hue was positively influenced only in flowers placed in Flora. In contrast, spadix chroma showed no significant difference with respect to controls. Results indicated that floral preservatives and stem-end treatments have a positive affect on keeping quality. The data also indicate the importance of maintaining a good water balance during commercial handling and transport of *Anthurium*.