

Title Silver thiosulphate in relation to vase life of narcissus cut flowers (*Narcissus jonquilla*)
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Abstract

Narcissus is one of the cut flowers which postharvest problems cause loss of quality and shorter vase life. In this research, silver thiosulphate (STS) was used for improving quality and vase life of cut flowers. The flowers were harvested at the goose neck stage and pulsed in the different concentrations of STS (control treated with distilled water, 0.2, and 0.4 mM) for 24 hours. Results showed that the 0.2 mM STS was the best treatment and increased vase life of narcissus cut flowers to 10 days. After the short period of treatment, concentration of 0.4 mM STS caused severe burning of the tepals and was toxic. The 0.4 mM treatment slightly reduced the rate of senescence of flowers. Also, results showed that there was positive relationship between the fresh weight and water uptake with longevity of narcissus cut flower.