

Title Study of sucrose pulsing treatment on physiological changes of tuberose (*Polianthes tuberosa*) after harvest

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Abstract

Effects of sucrose on physiological changes of tuberose cut flowers after harvest was conducted by pulsing all florets and flower spikes with 20% sucrose compared to non-pulsing (control) florets. All of non-pulsed florets had higher ethylene production as compared to florets pulsed with 20% sucrose, while almost all of pulsed florets had higher respiration rate than non-pulsed florets. Besides, non-pulsed florets had shorter vase life (4 days) than pulsed florets (6 days). Pulsing florets with 20% sucrose increased bud opening as compared with non-pulsing.