Studies on effect of biocides and sucrose on vase life and quality of cut gerbera (Gerbera jamesonii) cv. Maron dementine

Prathamesh Vaidya, John P. Collis, V.M. Prasad and Arvind Verma

Received November 17, 2010 and Accepted March 2, 2011

ABSTRACT: An experiment was carried out in the laboratory of Department of Horticulture, SHIATS, Allahabad during winter season of year 2005-2006. The experiment was conducted in completely randomized design (CRD) with nine treatments replicated thrice. The effect of different concentration of sucrose (3% and 4%), silver nitrate (20 ppm and 40 ppm), Aluminium sulphate (200 ppm and 400 ppm) and 8-Hydroxy quinoline citrate (200 ppm and 400 ppm) in combination and one control. It was observed that treatment $T_4$ (Sucrose 4% $\text{AgNO}_3$ 400 ppm) and $T_8$ (Sucrose 4% + 8-HQC 400 ppm) gave better at per results. $T_8$ has least cost of maintenance. Therefore $T_4$ and $T_8$ may be recommended as commercial use for enhancing the vase life and quality of cut Gerbera cv. Maron dementine.

Key Words: Gerbera, vase life, sucrose, silver nitrate and 8-hydroxy quinoline citrate (8-HQC).