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

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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 400ppm) and 8- Hydroxy quinoline citrate (200ppm and 400 ppm in combination and one control. It was observed that treatment T₄ (Sucrose 4% AgNO₃ 400ppm) and T₈ (Sucrose 4% +8-HQC 400ppm) gave better at per results. T₈ has least cost of maintenance. Therefore T₄ and T₈ 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).