

Title 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

Gerbera (Gerbera Jamesonii) belongs to family Compositae has occupied a proud position among the top ten at flowers of world trade by the attractive and beautiful flowers. Gerber has a great economic value for cut flower purpose. It is essential to maintain flower freshness and original color for a longer period by increasing the shelf life and reducing the post-harvest losses. 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% Ag NO₃ 400ppm) and T₈ (Sucrose 4% +8-HQC 400ppm) gave better at per results. And 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.