

EFFECT OF LOW TEMPERATURE WET STORAGE ON VASE LIFE OF CUT CARNATION (*DIANTHUS CARYOPHYLLUS* L.) FLOWERS

Akash Kumar^{1*}, H.S. Baweja¹, B.S. Dilta¹, P.K. Baweja² and Vipul Sharma²

¹College of Horticulture, ²College of Forestry,
Dr. Yashwant Singh Parmar University of Horticulture & Forestry Solan, H.P
Email: akashcool548@gmail.com

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Abstract: Studies were conducted to find out the effect of wet storage on vase life of cut carnation (*Dianthus caryophyllus* L.) flowers. Wet storage of cut flower for different durations significantly reduced flower diameter, flower appearance, consumption of holding solution, RWC, membrane stability and vase life as compared to un-stored conditions. Among different storage durations vase life was found maximum when cut flowers were stored in wet storage for 4 days. Maintenance of higher water status in holding solution containing serotonin seems to be the most important characteristic and have positive effect on flower diameter, membrane stability and vase life in cut carnation flowers.

Keywords: Vase life, Holding solutions, Wet storage

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*Corresponding Author