The Optimization of the Cut-position Treatment and the Harvest Time of the Domestic Cut Chrysanthemums for International Distributions

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To increase postharvest quality, we searched optimal cut position from the ground for domestic chrysanthemum cultivar for overseas markets including ‘Yes Ruby’, ‘Perfect’ and ‘Perky Star’. We found that 8 cm cut from the ground was best regarding flowering, fresh-weight and moisture content comparing the control. We also found that harvesting time affects the results depending on the cultivar; ‘Yes Ruby’ shows the best result in the afternoon harvest but ‘Perfect’ and ‘Perky Star’ display the best in the morning harvest. However, we observed that the 8 cm cut treatment was effective in the vase-life and bacterial growth inhibition regardless of the cultivar. As a result, 8 cm cut treatment in the specific harvest time depending on the chrysanthemums can practically reduce bacterial growth but maintain the water uptake, improving the postharvest quality of the chrysanthemums during the related storage and distribution.

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