

Floralife® **RESEARCH UPDATE**

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Vase Life Performances of Rose Bouquets

Background

The vase life of a bouquet of roses that you purchase from a florist or from a supermarket store depends on several factors. Factors may include the potential vase life determined by the genetics of a variety, growing conditions and location, harvest stage, postharvest handling (temperature management and treatments) and the proper use of flower food. With proper care and handling, you can get an acceptable vase life from roses.

Setup

An experiment was conducted recently to evaluate the performance of different rose bouquets sold by a major supermarket chain. Flower bouquets were obtained from one of the distribution centers and brought to the Floralife laboratory. Upon arrival at the lab, bouquets (in boxes) were stored in a cooler (34-36 F) for 3 days. After 3 days, bouquets were removed and the ends of stems were re-cut in air. Leaves that would be below the solution level were removed and stems were placed in vases containing 1 L of Floralife Crystal Clear® (10 g/L) flower food solution. All flowers of a single bouquet were placed in a single jar. Flowers were held in an interior evaluation room (68-70 F, 12 hr light) to monitor vase life performance.

Observations

Variety	Vase Life (Days)	Variety	Vase Life (Days)
Priceless	12.1	Charming Unique	13.7
Skyline	10.2	Ravel	14.0
Jade	13.1	Freedom	8.5
Katharina	13.4	Conga	8.1
Alex	8.2	Sweet Unique	13.9
Raphaela	7.2	Charlotte	7.7
Osiana	16.5	Verdi	7.9
Karlina	7.5	Gold Strike	7.8
Latin Lady	13.7	Kiko	8.3



Osiana
Day 8



Latin Lady
Day 8



Skyline
Day 8



Charming Unique
Day 8

Conclusion

There was a significant variation in the vase life of different bouquets. This study shows the potential of the bouquets to last more than 7 days if proper care and handling techniques are followed.

For more information or to download a copy of our "Care and Handling Manual," visit www.floralife.com. Questions? e-mail: info@floralife.com

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