

Floralife® RESEARCH UPDATE

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Benefits of Fresh Flower Food: Results of Vase Life Studies

Background

Once cut from the plant, fresh flower stems have limited access to proper energy sources, key nutrients and water. Maintaining the health of cut flower stems is critical for their continued development, longevity and opening. Fresh-cut flowers must be properly hydrated and nourished with important nutrients to flourish. Floralife® flower foods have been formulated to provide these nourishing requirements at optimum levels for almost all flower varieties.

Research

The following table contains a compilation of data from recent cut flower experiments conducted at Floralife® postharvest laboratory. A comparison of vase life with and without flower food is presented.

Results

Crop	Flower Food	Vase Life in flower food (days)	Vase Life in water (days)	% vase life increase with flower food
'Sphinx Gold' Rose	Floralife Crystal Clear® (Liquid)	17.8	4.4	305%
'Atlantis' Chrysanthemum	Floralife Crystal Clear® (Liquid)	21.2	13.2	61%
'Charlotte' Rose	Floralife Crystal Clear® (Liquid)	15.2	5.2	192%
'Orinoko' Chrysanthemum	Floralife Crystal Clear® (Liquid)	12.8	6.8	88%
'Delphi' Carnation	Floralife Crystal Clear® (Liquid)	15.5	9.7	60%
Purple Liatris	Floralife Crystal Clear® (Liquid)	13.3	10.9	22%
'Bellamosa' Delphinium	Floralife Crystal Clear® (Liquid)	7.9	6.3	25%
'Cherry Love' Rose	Floralife Crystal Clear® (Powder)	11.0	5.0	120%
'Factor' Chrysanthemum	Floralife Crystal Clear® (Powder)	15.3	12.8	20%
'Nelson' Carnation	Floralife Crystal Clear® (Powder)	21.7	12.9	68%
'Alice' Lisianthus	Floralife Crystal Clear® (Powder)	12.4	3.9	218%
'Dazzle' Asiatic lily	Floralife® Bulb Food (Powder)	17.3	12.8	35%
'Chopin' Asiatic lily	Floralife® Bulb Food (Powder)	17.4	12.0	45%
'Kissproof' Oriental lily	Floralife® Bulb Food (Powder)	10.8	7.0	54%
'Shocking' Oriental lily	Floralife® Bulb Food (Powder)	14.0	10.7	31%
'Soldera' Oriental lily	Floralife® Bulb Food (Powder)	13.5	10.0	35%
'World Favorite' Tulip	Floralife® Bulb Food (Powder)	8.1	6.2	31%
'Blue Magic' Iris	Floralife® Bulb Food (Powder)	8.6	4.5	91%



Water Floralife Crystal Clear® (Liquid)
Day 7



Water Floralife® Bulb Food (Powder)
Day 12

Conclusion

The use of flower food is beneficial for cut flowers tested in these experiments.

Floralife®
The Care and Handling Experts

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