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Benefits of Bulb Flower Food in Vase Life Studies

Research Background

When a flower stem is cut from the plant, the availability of energy sources, nutrients and water immediately becomes limited. Continued development, flower opening, color intensity and the longevity of flowers depend on proper hydration and the supply of these resources to the cut flower. Commercial flower foods provide these necessary requirements for cut flowers at optimum levels. Similar to other flower types, bulb flowers benefit from a well formulated flower food as well.

Research

The following table contains a compilation of data from recent bulb cut flower experiments conducted at Floralife, Inc. postharvest Walterboro Lab. A comparison of vase life with Floralife® Bulb Food and water is presented.

Results

Bulb Flower Type	Floralife® Bulb flower food (# days vase life)	Water (# days vase life)	% vase life increase using Floralife® Bulb flower food
'Dazzle' Asiatic Lily	17.3	12.8	35%
'Chopin' Asiatic Lily	17.4	12.0	45%
'Tresor' Asiatic Lily	16.1	8.5	89%
'Dreamland' Asiatic Lily	17.2	11.6	48%
'Kissproof' Oriental Lily	10.8	7.0	54%
'Shocking' Oriental Lily	14.0	10.7	31%
'Soldera' Oriental Lily	13.5	10.0	35%
'Miami' Oriental Lily	16.2	11.7	38%
'Diamond' Alstroemeria	10.1	7.9	28%
'Rebecca' Alstroemeria	14.2	12.0	18%
'Ile de France' Tulip	8.9	6.6	35%
'Silver Dollar' Tulip	9.1	7.8	17%
'Negrita' Tulip	8.7	8.4	4%
'World Favorite' Tulip	8.1	6.2	31%
'Telstar' Iris	10.3	6.3	63%
'Blue Magic' Iris	8.6	4.5	91%



Water

Floralife® Bulb Food

Day 12 Vase Life

Test Results on Oriental Lilies



Water

Floralife® Bulb Food

Day 8 Vase Life

**Test Results
on Asiatic Lilies,
Tulips and Iris**

Conclusions

Flower food has proven to be significantly beneficial to fresh cut bulb flowers based upon these varieties tested. The percentage of vase life increase ranged from 4% to 91% dependent upon the variety, with an average of 41%.

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