



Anil Ranwala, PhD.
Chief Scientist

Efficacy of New Floralife® Premium Liquid Rose Food

Research Background

Proper care and handling is critical for achieving the best vase life for enjoying fresh cut roses longer. Flower food specifically designed to meet the needs of this high value crop plays a vital role in postharvest performance.

Floralife, Inc. recently has introduced a 10 gram powder Premium Rose Flower Food packet which increases the vase life of roses on average 2 - 4 days more than when using a standard all purpose flower food. There now is a rose liquid flower food available for easy use with dispensing systems. This liquid rose food is a concentrate, sold in one gallon containers. The recommended dosage rate of the new liquid is one-half ounce per one quart of water (2 ounces per gallon) for optimal performance.

Research

At the Floralife, Inc. laboratory in Walterboro, SC, efficacy tests of the new liquid rose food were conducted to compare it with our standard, all-purpose liquid Floralife Crystal Clear® flower food. A number of notable rose varieties were included in the tests. The following table presents compilation of vase life data from these experiments.

Results

Rose Variety	Vase life (#days)		
	Water	Floralife Crystal Clear® Food	Floralife® Premium Rose Flower Food
Akito	3.8	8.9	18.2
Avalanche	8.1	16.7	23.1
Charlotte	5.0	9.9	13.9
Eskimo	7.5	12.7	14.6
Grand Prix	4.9	9.1	14.3
Lindsey	6.7	7.3	9.4
Orlando	7.2	11.3	13.6
Illios	5.3	10.8	17.0
Naranga	6.1	10.3	15.1
Jade	6.1	9.4	10.5
Freedom	6.0	9.4	10.2
Super Green	7.1	8.6	9.9
Average	6.5	10.4	14.2

(photos on second page)

Research Update



Water

Floralife Crystal Clear®
Flower Food

Floralife® Premium Rose
Flower Food

Photo Taken on Day 11

Conclusions

The performances of both liquid Floralife Crystal Clear® food and Floralife® Premium Rose Flower Food were better than water by 60% and 118%, respectively. Liquid Floralife® Premium Rose Food was better than Floralife Crystal Clear® food by an increase in vase life of 37%.