

Booster eZ Dose®

Introduction

Floralife® Booster eZ Dose® delivery system is made in a micro-perforated packet so it can be directly placed or dropped into a clean flower bucket without having to tear the packet open for use. This product is intended to give additional strength to flower food solutions to keep the solution clean. Producers of flowers that tend to pollute the vase (or bucket) water quickly (like sunflowers) will be able to give their flower food solutions a boost with the addition of Floralife® Booster eZ Dose®. The micro-perforated holes allow water to penetrate into the packet quickly and dissolve the powder once it hits the water or solution with the benefit of a visual cue that you have already added the additional treatment to your flower food.

Goal

To investigate the effects of Floralife® Booster eZ Dose® on solution clarity and vase life of cut flowers. Booster eZ Dose® was tested alone and in combination with other flower food treatments.

Method

Cut flowers were obtained from a commercial source and shipped to the lab dry directly from farms. After receipt of the flowers in the lab, the flowers were taken out of the boxes, and processed the same day of receipt. The flower stems were re-cut to remove at least 3 cm of the end of the stem, and the leaves that would fall below solution level were removed. The flowers were placed in the different treatment solutions described in the tables in results section to follow. There were 3 replicates per each treatment. Flower vases (or buckets) were placed in an interior evaluation room (18 - 20° C, 12/12 hr light/dark) and the flower quality was observed.

Results

Photographs on Day 11 in Vases



Control (water)



Floralife® Clear 200



Floralife® Clear 200 with
Floralife® Booster eZ Dose®

Product Test Results continued...

Experiment 1:

Treatment	Vase life (days)			Days to vase cloudiness
	'Hot princess' Rose	'Miracle' Rose	Chrysanthemum	
Water	6.9	9.7	12.0	5.7
Clear 200 eZ Dose® only	10.0	11.4	14.7	9.7
Clear 200 eZ Dose® + Booster eZ Dose®	11.0	11.6	14.7	14.0

Experiment 2:

Treatment	Vase Life (days)			Days to vase cloudiness
	'Freedom' Rose	'Papaya' Rose	Chrysanthemum	
Water	9.6	7.5	17.8	4.0
Water + Booster eZ Dose®	14.9	15.2	17.8	9.0
Clear 200	14.6	15.0	21.7	8.3
Clear 200 + Booster eZ Dose®	16.6	21.5	21.8	15.3
Floralife® 200	16.5	21.2	21.5	9.3
Floralife® 200 + Booster eZ Dose®	17.5	27.7	21.6	11.3
Floralife® Flower Food Clear 300	18.3	17.5	23.1	9.0
Floralife® Flower Food Clear 300 + Booster eZ Dose®	19.4	20.9	23.5	17.7

Conclusion

It was observed that the Floralife® Booster eZ Dose® increases the vase longevity of the flowers when combined with flower food treatments. In addition, Floralife® Booster eZ Dose® helps maintain the solution clarity longer than the solutions that did not have the treatment.