

## Floralife® Express Clear 200 performance test on various fresh cut flower varieties –

*A revolutionary new product that allows you to eliminate the step of recutting your flowers*

### Introduction

Floralife's storage and transport solutions are designed to help keep cut flowers fresh and in ideal condition at this stage in the flower chain. Our storage and transport solutions are formulated to hydrate and provide the correct amounts of nutrients to inhibit premature bud opening or bent neck. With the introduction of Express Clear 200 and Express Clear ULTRA 200 storage and transport solution –when used as instructed– there is no need to re-cut flower stems before placing them directly in solution. The product is designed as a hydrating and feeding treatment for use after dry storage or transport. It can also be used for wet storage. Floralife® Express Clear 200 and Express Clear ULTRA 200 can be used wherever you normally use Floralife® Clear 200 and Clear ULTRA 200.

### Goal

In this study, Floralife further investigates the effect of Express Clear 200 on vase life of differing varieties of fresh cut flowers without re-cutting the end of stems.

### Method

Multiple cut flower varieties were obtained from a supplier in Miami. The flowers received standard farm protocols and treatments in Colombia and were air freighted to Miami and followed standard storage and handling protocols. Then, the flower boxes were air freighted to the Floralife lab in Walterboro, SC. After the receipt of the flowers in the Walterboro lab, the flowers were taken out of the boxes, and processed the same day of receipt. Depending on the treatment that the flowers would receive as outlined below, some of the flower stems were re-cut to remove 3 cm of the end of the stem. Other flowers were not recut. The flowers were placed in vases (1 L) filled with solutions described in the treatment list below. There were 3 replicate vases per treatment.

Treatments:

1. Clear 200 – Re-cut
2. Express Clear 200 – No cut

Flower vases were placed in an interior evaluation room (18 - 20 °C, 12/12 hr light/dark) and the flower quality was observed.

Product Test Results continued...

## Results

**Table 1.** Vase life of flowers (in days) in each treatment.

Flower Type	Clear 200	Express Clear 200
	Cut	No Recut
Alstroemeria 'May Fair'	19.3	22.9
Alstroemeria 'Hot Pepper'	24.3	26.0
Alstroemeria 'Nemo'	20.0	23.6
Alstroemeria 'Fuji'	22.6	22.8
Alstroemeria <i>Red</i>	9.8	9.8
Chrysanthemum <i>Yellow</i>	22.9	24.2
Chrysanthemum Purple	19.9	18.2
Chrysanthemum 'Factor'	28.5	27.1
Chrysanthemum 'Arctic Queen'	30.2	29.8
Chrysanthemum <i>Yellow Daisy</i>	18.7	15.8
Chrysanthemum <i>Yellow Daisy</i>	16.2	15.3
Chrysanthemum Purple Cushion	14.3	14.5
Chrysanthemum <i>Brown Daisy</i>	17.2	17.7
Disbud Chrysanthemum <i>Yellow</i>	23.3	23.7
Disbud Chrysanthemum <i>Bicolor</i>	17.7	15.8
Disbud Chrysanthemum <i>Green</i>	7.3	6.7
Hydrangea <i>Lavender</i>	14.9	13.0
Spray Rose 'Scarlet Mimi'	6.8	6.9
Spray Rose 'Garcia'	14.3	16.3
Spray Rose 'Lovely Lydia'	9.1	13.7
Mini Carnation <i>Red</i>	21.8	24.8
Carnation <i>Red</i>	17.2	17.0
Carnation <i>Orange</i>	20.7	23
Carnation <i>Pink</i>	13.3	11.3
Gerbera <i>Hot Pink</i>	16.0	15.4
Gerbera <i>Orange</i>	13.2	15.0
Gerbera 'Intenza'	10.6	9.6
Gerbera 'Intenza'	13.8	8.6
Gerbera <i>Yellow</i>	12.8	7.4
Gerbera <i>White</i>	13.9	11.3
Gerbera <i>Pink</i>	15.2	14.8
Tulip 'Strong Gold'	10.8	10.3
Tulip 'Ad Rem'	9.2	8.7
Tulip 'Hakuun'	9.4	10.1

Product Test Results continued...

**Table 1 continued.** Vase life of flowers (in days) in each treatment.

Asiatic Lily 'Espirit'	13.1	13.1
Asiatic Lily 'Royal Sunset'	9.3	9.0
Oriental Lily 'Tarrango'	11.1	11.1
Asiatic Lily <i>Orange</i>	11.0	12.1
Aster <i>Yellow</i>	15.2	15.3
Aster <i>White</i>	18.1	16.3
Aster 'Chelsea'	14.6	13.3
Gypsophila	18.2	18.6
Gypsophila 'Million Star'	20.7	19.2
Solidago <i>Yellow</i>	6.5	8.1
Limonium <i>Blue</i>	18.4	18.3
Ruscus	21.5	21.0
Snapdragon <i>Yellow</i>	6.2	11.5
Stock <i>Purple</i>	6.3	8.2
Statice <i>Purple</i>	18.5	18.0

### Photos on Day 7 in Vases



Floralife® Clear 200 – stems recut



Floralife® Express Clear 200 – NO stem recut

Product Test Results continued...

## Photos on Day 7 in Vases



Floralife<sup>®</sup> Clear 200 – stems recut



Floralife<sup>®</sup> Express Clear 200 – NO stem recut

## Conclusion

In the case of cut flowers that were treated with Floralife<sup>®</sup> Express Clear 200 without recutting of the stems, it was observed that the end of the stems presented equal vase life when compared to the current Floralife<sup>®</sup> Clear 200 formula with the re-cutting of the stems.