

## Agenda

- · Introduction to Chrysal
- · Crop specific treatments
- New Product Development
- · Shelf Life and Disposal



# Introduction Chrysal

The Beauty of Chrysa

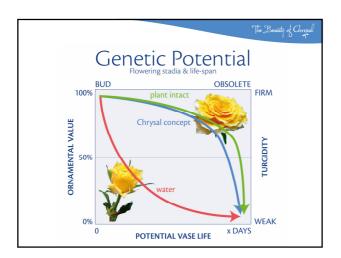
- Chrysal is the founder of our industry, inventing Cut Flower food in 1949
- Supplying a complete range of products for commercial and consumer use
- World market leader in flower care with an 80% market share
- Annual turnover of € 47 million
- Worldwide distribution in 40 Countries & over 60,000 outlets
- Offices in NL, UK, USA, Germany, France, Sweden, China & Japan, Colombia, Kenya and Ecuador
- 'State of the Art' Production facilities in Naarden (NL), Colombia, Kenya, Sweden and Japan  $\,$
- Chrysal has helped developed the flower industry through it's Product Quality, Innovation & Service
- Instrumental in the introduction of the 'Consumer Guarantee' and 'Total Chain Control' concepts

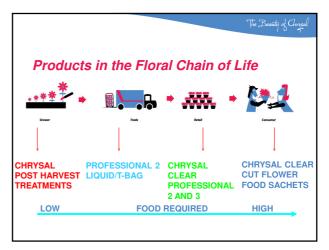




























The Beauty of Chrys

- Ethylene sensitive
- AVB recommended as post harvest treatment
- For longer term storage re-hydration prior to storage may help but Botrytis is usually the main problem



Chrysanthemum

OVB as post harvest treatment
Professional 2 as transport solution
Chrysanthemum food or Universal

Alstroemeria

 AVB at 1ml/litre and BVB at 0.15ml/litre

• Leaf yellowing is the major problem



The Beauty of Chryso

Gladioli

Often harvested dry, stored dry and sent to customer dry.

 However, sending to customer or store in a little Professional 2 will help to prevent "crooking"

 Most commonly just 1-2 litres of solution into store will prevent too much continued growth and the shepherd's crook

Bulb food for the consumer phase



The Beauty of Chrysa

The Beauty of Change

## **Antirrhinum**

- Ethylene sensitive but not usually treated
- AVB followed by CVBN or RVB Clear
- Prof 2 as transit solution
- Universal food for consumer



China Aster



- CVBN
- OVB
- Or RVB Clear
- Again usually a dirty crop so might be tempted to use CVBN.
- Prof 2 as transit solution to customer



The Beauty of Chryso

## **Tulip**

- BVB+ at a rate of 1ml/litre as a post harvest solution
- · Prevents stretching
- · Maintains leaf quality
- If using in mixed spring bouquets with narcissi and hyacinths for example – use the narcissus food, otherwise tulip food or bulb food



Sunflower

- Traditionally known as a very polluting crop
- Can have water uptake issues due to callous formation as a reaction to wounding
- Use CVBN as a post harvest solution
- · Universal feed



The Beauty of Chrys

The Beauty of Chrysal

## Ornamental Kale

- CVBN, CVBN and CVBN!!!!
- Prof 2 as transit solution
- Very dirty polluting crop pollutes mixed bouquets
- Leaves also yellow and have tried BVB without much success so far



The Beauty of Chrys

#### Anemone

- BVB
- Prof 2 T-bag
- Bulb food
- Most often used in mixed bouquets



The Beauty of Clarge

## Calla

- CVBN or Prof 2 Liquid
- Prof 2 as transit solution
- Bulb food for consumer



Dahlia

- The "Holy Grail" for the supermarkets!
- Ethylene sensitive and leaves yellow
- Secondary bud failure
- AVB followed by CVBN, or RVB Clear
- Prof 2 as transit
- Bulb food
- However, Lily conditioner as post harvest and transit solution has worked well





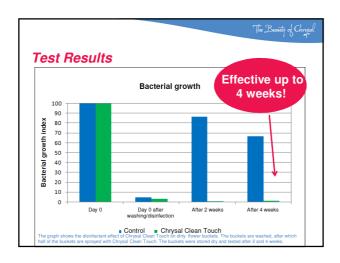




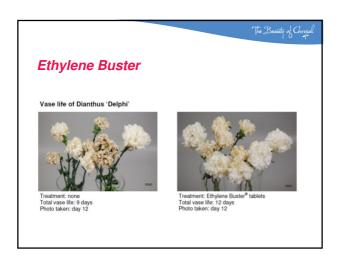


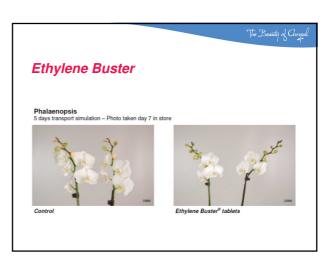








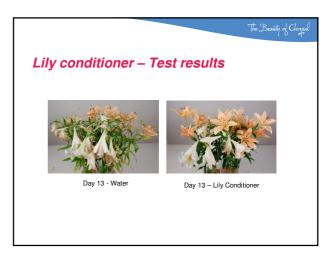




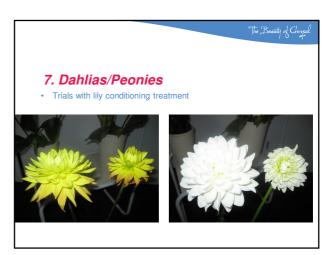














Recommendations

Store under cool and dark conditions, preferably between 5°C and 25°C.

Shelf life: 18 months in sealed packaging and stored under the right conditions.

PH of the ready-to-use solution: In virtually all waters between 3.5 – 5.5 (depending on the alkalinity of the water).

Dosage: 0.5 ml per litre of water.

Chrysal AVB Booster must be added to the Chrysal AVB ready-to-use solution. So, first prepare the AVB ready-to-use solution, then add the AVB Booster and stir well.

The solution can be used up to 1 week.

Do not mix residual solutions with freshly made ones.

Residual solutions (AVB + AVB Booster) should be neutralised before discharge.

