



## Product sheet – Chrysal Universal Bio Based Recyclable Plastic powder sachet



The growing challenge of plastic in the environment means it is more urgent than ever to find solutions to reduce, reuse and recycle. We want to be the most sustainable partner in the flower industry. Reducing flower wastage, water use and packaging materials thus integrating sustainability in our strategy. Chrysal's recyclable sachet contributes to a circular economy.

### General

- Contains Chrysal's Universal Bio Based flower food for maximum flower freshness.
- For the complete development of all types of cut flowers.
- Supplies all the necessary nutrients to all flower arrangements.
- Increases vase life up to 60% compared to water alone.
- The sachet is made out of 100% recyclable plastic material.
- The sachets can be thrown away in the plastic bin (check your local waste service program for regional information).
- When thrown away and processed correctly, the plastic sachet will contribute to a circular economy.
- Available in sachets for 0.5 liter (0.5 quart) and 1 liter (1 quart) of solution.



### Recyclable Plastic sachet

- Polypropylene (PP) plastic film

### Effects

- Contributes to a Bio Based Economy.
- Bio Based, coming from biological renewable resources, such as plants. Reduces the use of and reliance on fossil resources.
- Improves flower opening, color and leaf quality.
- Vase life guarantee of over 7 days possible.
- Lowers the pH of the water.
- Dissolves clearly and without odor in water.

### Applications

- Suitable for all types of tap water.
- Can be easily attached to bouquets.
- No need to change the water or to re-cut stems during the period in the vase.



### Benefits

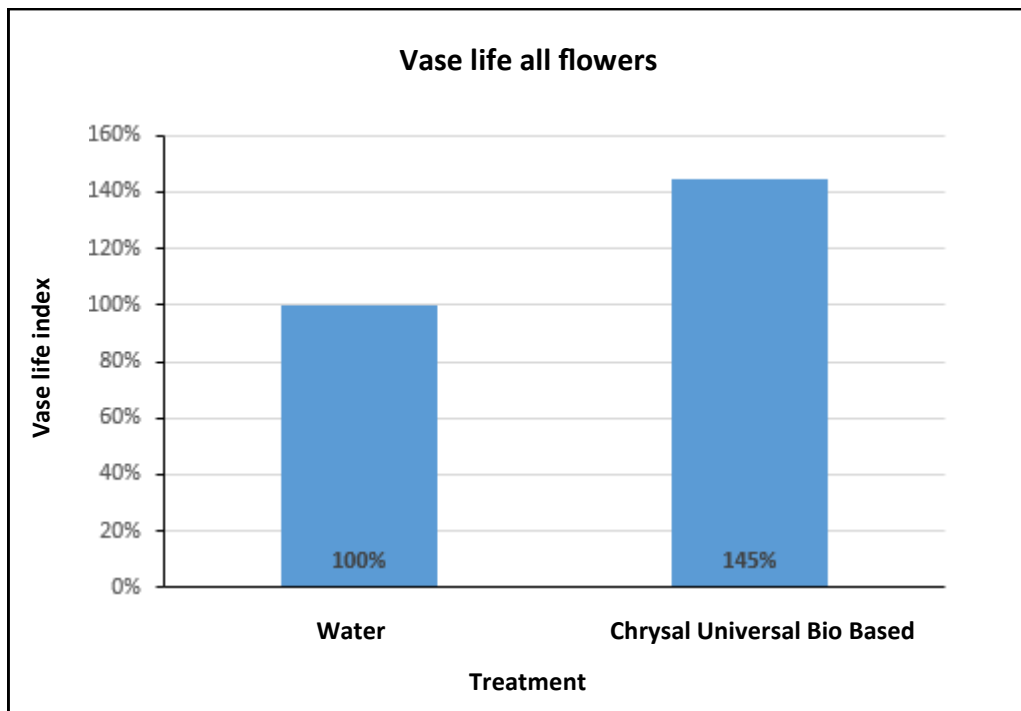
- Lower production cost.
- Reduces flower wastage.
- Reduces the number of possible consumer claims.
- Added quality value at low cost per stem.

### Recommendations

- Store under cool, dry and dark conditions, preferably between 41°F and 77°F / 5°C and 25°C.
- Shelf life: 18 months when stored under the right conditions.
- The pH of the ready to use solution is 3.5-5.5 depending on the alkalinity of the water.
- Dosage: Available in sachets for 0.5 liter (0.5 quart) and 1 liter (1 quart) of solution.
- Do not use in unprotected metal vases (zinc, copper, iron) or (antique) crystal vases.
- If necessary, top up vase with water containing Chrysal cut flower food.
- Residual solutions may be drained into the sewer system.

### Test Results

The following graph shows the effect of Chrysal Universal Bio Based on the vase life of mixed flowers compared to water alone.





### Vase life mixed bouquet



Treatment: water  
Total vase life: 8 days  
Photo taken: day 9



Treatment: Chrysal Universal Bio Based  
Total vase life: 11 days  
Photo taken: day 9