

Product sheet – Chrysal 99% Bio Based Universal Home Compostable 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 home compostable sachet contributes to a circular economy.

General

- 100% home compostable sachet.
- The sachets can be thrown away together with garden and organic waste in the compost heap.
- Decomposes in 26 weeks in the compost heap, it will break down into CO₂ and water.
- Contains Chrysal's 99% Bio Based flower food for maximum flower freshness.
- Increases vase life up to 60% compared to water alone.
- For the complete development of all cut flowers.
- Supplies all the necessary nutrients to all arrangements, either as straight line or as mixed flower varieties.
- Available in sachets for 0.5 litre and 1 litre of solution. Also available in private label for 0.5 litre and 1 litre of solution, loose or continuous string.



Compostable sachet

- Certified according to the DIN CERTCO registration number 9P0044.
- The film contains 2 plastic layers of organic origin (60-80% bio-based):
 - Cellulose (from PEFC/FSC managed forest)
 - PLA from sugar cane (not GMO)
- Ink (EN 13432 certified).
- Water based glue.



Effects flower food

- Contributes to a Bio Based economy.
- 99% Bio Based, coming from biological renewable resources, such as plants and reduces the use and reliance of fossil resources.
- Improves flower opening, colour and leaf quality.
- Vase life guarantee of over 7 days possible.
- Lowers the pH of the water.
- Dissolves clearly and without odour in water.

Applications

- Suitable for all types of tap water.
- Can be easily attached to bouquets, either automatically or by hand. Because of the compostable material, we recommend to place the sachet higher on the bunch so it is not under water.
- No need to change the water or to re-cut stems during the period in the vase.

Benefits

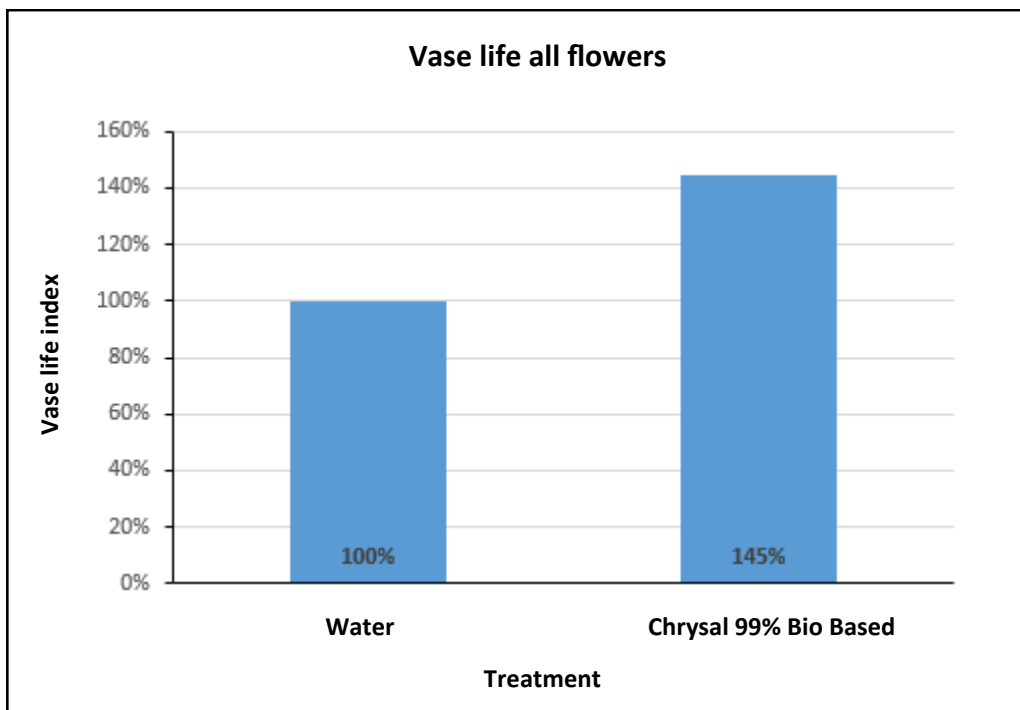
- Reduces flower wastage.
- Reduces the number of possible consumer claims.
- Added quality value at low cost per stem.

Recommendations

- Store under cool, dry and dark conditions, preferably between 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 0.5L and 1L of water.
- Do not use in unprotected metal vases (zinc, copper, iron) or (antique) crystal vases.
- If necessary top up vase with water containing Chrysal Supreme cut flower food.
- Residual solutions may be drained into the sewer system.

Test Results

The following graph shows the effect of Chrysal 99% Bio Based Universal 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 99% Bio Based
Total vase life: 11 days
Photo taken: day 9