



Chrysal AVB – Anti-Ethylene Post-Harvest Solution

Overview: Chrysal AVB is a post-harvest treatment specially developed for ethylene-sensitive flowers such as carnations, lilies, alstroemeria, and Euphorbia fulgens. It helps extend vase life by preventing bud drop, leaf yellowing, and premature bloom loss. Ideal for professional growers aiming to maintain optimal flower quality during storage and transport.

Key Benefits:

- Significantly extends vase life of ethylene-sensitive flowers.
- Prevents bud, bloom, and leaf drop.
- Improves bud opening and overall appearance.
- Effective for a wide range of cut flower varieties.

Convenient Application:

- Suitable for use with all types of tap water.
- Can be dosed manually or through automated systems.
- Recommended for use by professional growers.
- Available in 1-liter bottles and 20-liter containers.

Cost Efficiency & Quality Assurance:

- Reduces flower waste and increases vase performance.
- Extends distribution and sales periods.
- Enhances product reliability for retail and end consumers.

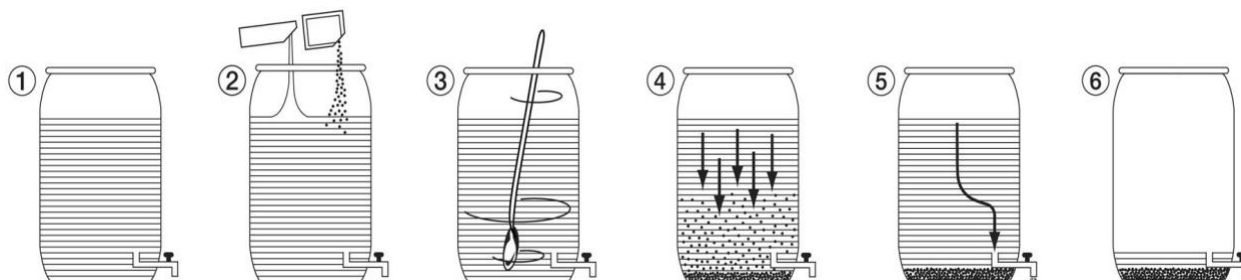
Usage Recommendations:

- **Dosage and treatment time:**

	Dosage:	Treatment time (min-max):
Alstroemeria / Euphorbia fulgens	0.5 ml/l	4 - 48 hours
Lilium	1 ml/l	4 - 36 hours
Other ethylene sensitive flowers	1 ml/l	4 - 72 hours

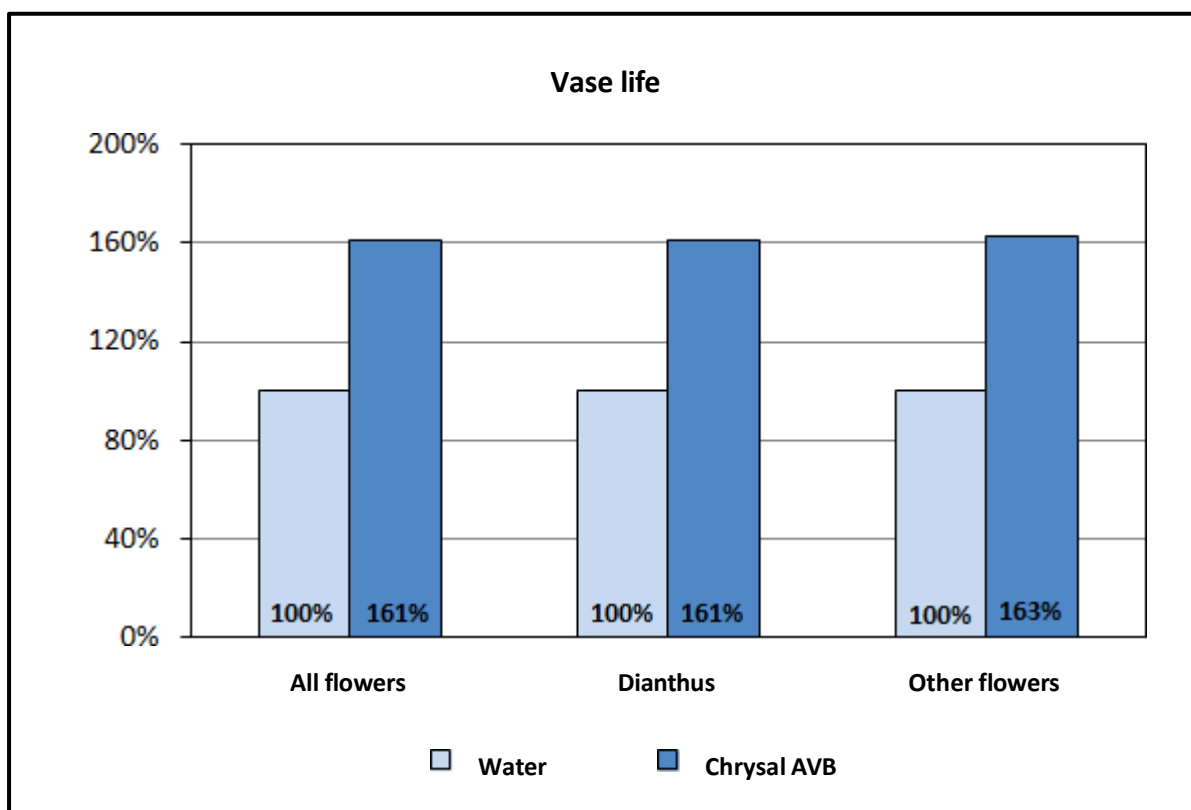
- **Storage:** Keep in cool, dry, and dark conditions (optimal temperature range 41°F and 77°F / 5°C to 25°C).
- **Shelf Life:** 24 months in sealed packaging under optimal storage conditions.
- **Solution pH:** Ranges between 7.0 and 8.0, depending on water alkalinity.
- **Maintenance:** Solution remains active for up to 3 days, especially effective with AVB Booster. Do not mix residual solution with fresh solution.
- **Disposal:** Neutralize used solutions before disposal using Chrysal AVB Neutralizing Liquid or Powder. The deposit containing the silver should be treated and disposed of as chemical waste (see image below).





Test Results

The following graph shows the effect of Chrysal AVB on the vase life of Dianthus and other flowers compared to water alone.





Vase life Alstroemeria



Treatment: water
Total vase life: 13 days
Photo taken day 20



Treatment: Chrysal AVB
Total vase life: 19 days
Photo taken day 20

Vase life Dianthus



Treatment: water
Total vase life: 5 days
Photo taken day 14



Treatment: Chrysal AVB
Total vase life: 16 days
Photo taken day 14

Vase Life Index:

Chrysal AVB dramatically improved the vase life index for Dianthus and other ethylene-sensitive flowers when compared to water treatment alone.

Chrysal AVB provides an advanced, science-backed solution for preserving quality and extending the life of ethylene-sensitive cut flowers through every stage of the supply chain.