

Chrysal LeafShine & Seal – *Shine and Anti-Transpirant in One Solution*

Overview: Chrysal LeafShine & Seal is a water-based product designed to enhance the natural shine of leaves while reducing transpiration. Ideal for growers, exporters, and packers, it improves plant appearance and shelf presentation and contributes to longer shelf life during transport and retail. It is suitable for use on cut flowers, cut foliage, and potted plants.

Key Benefits:

- Adds a natural, adjustable shine to leaves (high gloss to silk finish).
- Makes dust, lime, residue, and mildew spots invisible.
- Reduces transpiration by partially sealing leaf stomata.
- Increases shelf life by 1–3 days, depending on plant type.
- Prevents premature wilting and reduces watering frequency during retail.
- Odorless, water-based formula—no risk of chill damage or phytotoxicity.
- Effects last up to one month.

Convenient Application:

- Ready for use via plant sprayer, backpack sprayer, spray boom, tunnel, or atomizer.
- Safe to pack or sleeve plants immediately after application—no residue or fungal risk.
- Compatible with a wide range of crops (see test list).
- Solution reusable for up to one week.
- Available in 1 L format.

Cost Efficiency & Quality Assurance:

- Reduces waste by an average of 10%.
- Improves visual appeal and sell-through rate.
- Enhances margins and customer satisfaction.

Recommendations:

- No pre-cleaning of plants needed.
- Avoid spraying on Impatiens.
- Spray in shaded areas and avoid sun exposure during drying.
- Avoid accumulation of spray in the plant's heart.
- Clean all equipment immediately after use.
- Do not mix old and fresh solutions.
- Use waterproof mats to avoid slippery floors.



Usage Recommendations:

- **Dosage:**
 - 1:20 (50 ml/L) for high gloss on plants with high transpiration (e.g., Hydrangea).
 - 1:40 (25 ml/L) for standard gloss (most crops).
 - 1:100 (10 ml/L) for silk-gloss (not advised).
- **Shine Application:** Spray the upper leaf surface with a fine mist.
- **Seal Application:** Spray both upper and lower leaf surfaces until slight runoff.
- **Drying Time:** Up to 4 hours, depending on humidity.
- **Re-use:** Store leftover solution for a maximum of 1 week. If re-using, use a $\pm 50\mu\text{m}$ fine filter (e.g., Mahle amaFlow).
- **Storage:** Store in a dark, dry place at 41°F to 59°F (5°C to 15°C).
- **Shelf Life:** Up to 18 months when stored properly.

Appearance Check Before Use: The concentrate should appear *milky white* (see Bottle 1 in the image below). If the product shows separated liquid layers—as illustrated in Bottles 2, 3, and 4—it indicates the concentrate has separated and is no longer effective. A small amount (less than 5%) of clear liquid beneath the milky layer is acceptable and does not affect performance.



Visual Quality Guide:

- If clear layers are visible within the milky concentrate (as indicated by the red arrows), this means the product has separated and is no longer effective.
- A small amount of clear liquid—less than 5%—underneath the milky concentrate is acceptable and does not impact performance.

If full separation is observed or you have any concerns about product quality, please contact your local Chrysal sales representative.

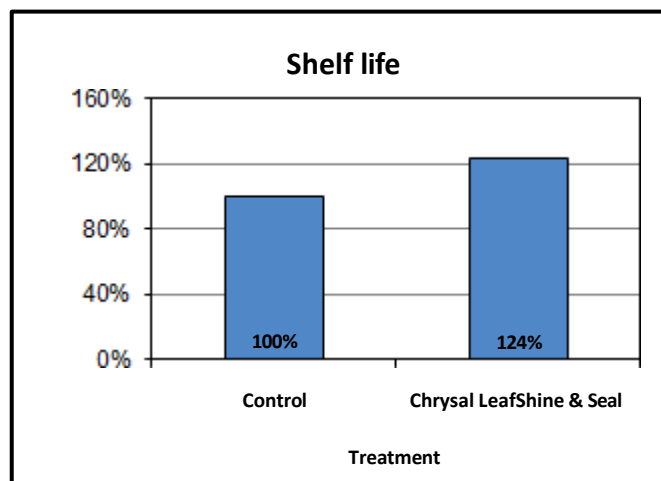
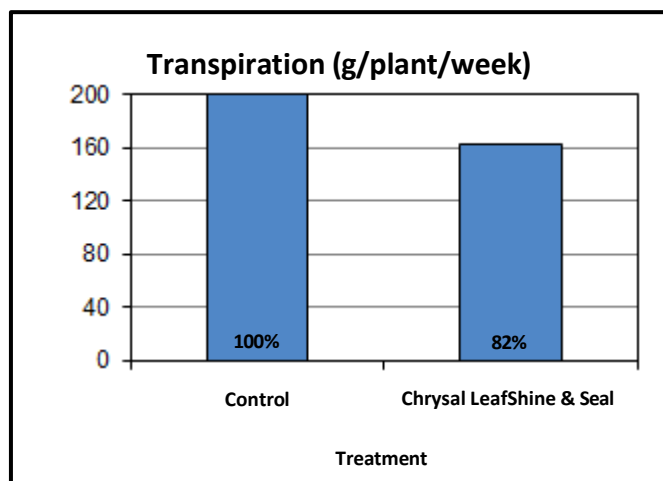
Chrysal LeafShine & Seal is your all-in-one solution for improving appearance and extending the shelf life of plants and cut foliage in both wholesale and retail environments.

Chrysal LeafShine & Seal – Usage Guide & Benefits

Dosage Instructions: Dilute the concentrate with tap water for the desired effect. Shake or stir the concentrate and solution thoroughly before use.

Dilution Ratio	Dosage (ml/L)	SHINE Effect (Upper leaf surface, fine mist)	SEAL Effect (Upper & lower leaf surfaces, droplets until runoff)
1:20	50 ml/L	High gloss	Recommended for high transpiration plants (e.g., Hydrangea, Lavender)
1:40	25 ml/L	Gloss	Suitable for most plants
1:100	10 ml/L	Silk-gloss	Not recommended

Test Results Chrysal LeafShine & Seal significantly reduces transpiration and improves shelf life compared to untreated plants.



Transpiration (Water Loss)

- Control (untreated plants): **100%** transpiration
- Treated plants (Chrysal LeafShine & Seal): **82%** transpiration.

Shelf-Life Improvement

- Control: **100%** baseline shelf life
- Treated plants: **124%** shelf life (24% improvement).

Recommended Plants Chrysal LeafShine & Seal has shown positive effects on the following plants:

Anthurium,	Chamaecyparis,	Hebe,	Nephrolepis,	Rosa,
Areca,	Chrysanthemu	Hedera,	Olea,	Schefflera,
Aster,	m,	Helianthus,	Pachira,	Spathiphyllum,
Azalea,	Citrofortunella,	Helleborus,	Pelargonium	Stephanotis,
Beaucarnea	Cupressus,	Hibiscus rosa-	(Geranium),	Tagetes,
(Nolina),	Dieffenbachia,	sinensis,	Petunia,	Thuja,
Begonia,	Dipladenia,	Howea,	Phalaenopsis,	Viburnum,
Bougainvillea,	Dracaena,	Hydrangea,	Picea,	Vinca minor,
Calathea,	Ficus,	Jasminum,	Pinus,	Yucca,
Campanula,	Gardenia,	Lavandula,	Primula,	Zamioculcas.
Celosia,	Gerbera,	Lilium,	Rhododendron,	