



Post-Harvest Flower Treatment

Back in 1983 the then Dutch Flower Auction (VBA) felt it needed to improve the minimum quality of flowers sold on their clocks.

So in cooperation with buyers and growers they identified the main problems effecting vase life and together with Laboratory van der Sprong they developed the FLORISSANT range of post-harvest flower preservatives to combat observed quality problems.

Solutions

The Florissant product range offers the grower, importer, retailer and consumer a product to help preserve the quality of flowers and prepare flowers in such a way that they have minimal vase life loss during the long journey from grower to vase and recover quicker in better conditions after dry transport.

Treatment / flower

Not all flowers are the same and not all face similar post harvest difficulties, so to maximise vase life they all need their specific treatments.

The FLORISSANT Product Range

Florissant 100

Function	Prohibits ethylene damage
Contains	Silver Thio Sulphate (STS)
Dosage	1 or 2 ml per 1 litre of water
Shelf life	1 year (unopened packaging) 3-5 days (the ready made solution)
Packaging	1 L & 5 L

Florissant 200

Function	Prohibits leaf yellowing
Contains	growth hormones + GA3
Dosage	1 tablet per 1 litre of water
Shelf life	1 year (unopened packaging) 3-5 days (the ready made solution)
Packaging	250 tablets

Florissant 310

Function	Improves water uptake Prohibits bacteria growth
Contains	Wetting agent
Dosage	5ml/ litre
Shelf life	unlimited (unopened packaging) 3-5 days (the ready made solution)
Packaging	25 L

The FLORISSANT Product Range *continued...*

Florissant 320

Function	Extends vase life, enhances full bloom
Contains	Wetting agent, flowerfood
Dosage	10ml/ litre
Shelf life	unlimited (unopened packaging) 3-5 days (the ready made solution)
Packaging	25 L

Florissant 400 C - New Formulation

Function	Improves water uptake
Contains	QUAT (non chlorine based)
Dosage	0,35 ml per 1 litre of water
Shelf life	unlimited (unopened packaging) 3-5 days (the ready made solution)
Packaging	5 L

Prevents blackening of stems.

Florissant 500

Function	Prohibits bacteria growth
Contains	Chloramine T, slow releasing
Dosage	1 tablet per 3 litres of water
Shelf life	unlimited (unopened packaging) 3-5 days (the ready made solution)
Packaging	1,000 tablets

Florissant 600 Export Gel

Function	Improves water uptake, prohibits bacteria growth and stimulates rehydration.
Contains	Aluminium sulphate, quat.
Dosage	10 ml per 1 litre of water
Shelf life	unlimited (unopened packaging) 3-5 days (the ready made solution)
Packaging	5 L

Florissant 700

Function	Wetting agent, improve water uptake.
Contains	Wetting Agent
Dosage	1 or 2 ml per 1 litre of water
Shelf life	unlimited (unopened packaging) 3-5 days (the ready made solution)
Packaging	1 L
To be used combination with other Florissant product	

Florissant Cut Flower Food (Bulk)

Function	Extends vase life, enhances full bloom
Contains	Sugars
Dosage	7g per 1 litre of water
Shelf life	unlimited (unopened packaging)
Packaging	4 kg
To be used by professional & / or by consumer	

Florissant Cut Flower Food (Sachets)

Function	Extends vase life, enhances full bloom
Contains	Sugars
Dosage	1 sachet per 1 litre of water
Shelf life	unlimited (unopened packaging)
Packaging	2,000 sachets
To be used by professional & / or by consumer	
Have your own logo/ name printed on the sachets, cheaper and more effective than you expect. Contact us for minimum quantities and further information.	

Quality

To increase the turnover of flowers and to fulfil the wishes of the consumer, 60% buy a specific flower because of its vase life.

Keep in mind that the average price of a product is based on the worst quality, not the best. Apart from creating a better product, FLORISSANT post-harvest preservative products also help reduce the risk of having unsatisfied customers.

FLORISSANT does not cost, it pays!

Procedure

Post-harvest products in general, can only maintain the quality the flower has when it was put in the solution. It can never improve the quality. It can also prepare the flower in such a way that it will have minimal vase life loss during the long journey from grower to vase. It can improve the speed and extend of recovery after transport.

Cut stage

Flowers should always be harvested at the right stage, prematurely picked flowers will never come to full bloom. Put the harvested stems immediately in a clean and disinfected bucket containing the post harvest solution. In the first 30 - 60 minutes after cutting they will take about 80% of their total water uptake. Place the buckets in a cool area where the flower can absorb the FLORISSANT and reduce the transpiration by closing the stomata. Make the grading process as short as possible and minimise handling, please note that every time flowers are being touched quality is lost.

Temperature

Prevent temperature fluctuations and aim for a slow but steady decrease of temperature until the minimum temperature has been reached. Grading should be done at a lower temperature than in the previous area to prevent condensation (= potential Botrytis).

Storage

Store the processed flowers in a cold room at the right temperature. Treat the cold room with a bactericide and / or fungicide at a set interval. Put flowers on post-harvest solution or in case of sufficient treatment put them on FLORISSANT 500 (slow releasing chlorine to prevent bacterial growth).

Do **not** add any sugar at this stage as the storing is meant to stop development of the flower.

Packaging

Pack flowers only after adequate treatment and cooling. Pack at cold room temperatures and pre-cool the boxes to correct temperature. Some flowers become brittle when cold so these susceptible flowers might be better off if cooled down after packing.

Temperature Recorders

The use of temperature recorders for export can give a lot of information about the temperature changes during transport to and from storage at the airport, the flight and transport to the importer which could be on the other side of the world.

Rehydration

On arrival flowers should be unpacked immediately, re cut and put in a FLORISSANT solution to help with rehydration. Ensure the best rehydration solution is being used, as not all flowers require the same treatment.

Retail

During the retail phase we recommend only to use FLORISSANT 500 to prevent bacterial build up. In some cases, whereby flowers have travelled a long distance, they might need some food. Cut flower food can be added and is available in bulk packaging or sachets.

Consumer

Only use a disinfected vase before adding water and cut flower food. Dissolve the flower food properly before inserting the stems. Remove foliage to prevent from being under the water whilst in the vase. Top up the vase every day, using fresh water and new flower food.

[Click here to download this information as pdf datasheet.](#)

Please contact us for more detailed information on treatment requirements per crop.