

FLORISSANT[®] Treatment for *Alstroemeria*



Introduction	After harvesting, the flowers are very sensitive to ethylene and suffer from a growth hormone deficit. The immediate consequences of these problems are flower and bud abortion and leaf yellowing.
Background	<p>Ethylene is a volatile hormone, produced by the flower itself in order to regulate flowering. Ethylene can also be produced by secondary sources such as exhaust gases, mature fruits or other flowers, which negatively influences the flower and is the cause of flower and bud abortion. These negative effects can easily be avoided by means of a post-harvest treatment with FLORISSANT 100.</p> <p>After cutting the flowers their hormone level gets misbalanced. For <i>Alstroemeria</i> this results in leaf yellowing, which reduces the ornamental value drastically. Only when treated immediately after harvesting this problem can be avoided by using FLORISSANT 200 tablets.</p>
Effects	<p>FLORISSANT 200 consists of natural plant growth hormones. Post-harvest treatment with these products restores the imbalanced hormone level of the flowers.</p> <p>FLORISSANT 100 inhibits the effect of internal ethylene production by the flower and protects against external ethylene coming from secondary sources. Together premature shrinking, flower and bud abortion and leaf yellowing are avoided and vase life is prolonged. Once treated, the flower will no longer respond negatively to ethylene</p>
Post-Harvest	<p>Post-harvest treatment with FLORISSANT 100 and FLORISSANT 200 may happen at the same time or successively. Prepare the FLORISSANT solutions just before harvesting;</p> <ul style="list-style-type: none"> • If used successively first place the freshly cut flowers in the FLORISSANT 100 solution for at least 4 hours. Secondly put the flowers in the FLORISSANT 200 solution for at least 16 hours. • If used at the same time put the freshly cut flowers in the mixed solution for at least 4 hours. <p>Total treatment time should not exceed 72 hours.</p>
Neutralisation	Neutralization of residual solutions is necessary because the residual solution contains traces of silver. Please refer to FLORISSANT 100 for further instructions.
Rehydration	Flowers which have been treated properly during post-harvest with FLORISSANT 200 at the recommended rate and be rehydrated with FLORISSANT 600. This is an ideal product for the rehydration of



Alstroemeria after dry transport as it improves the water uptake and makes sure the foliage is turgor. Flowers which have NOT been treated properly during post-harvest with FLORISSANT 200 need to be rehydrated with FLORISSANT 200.

Storage FLORISSANT 600 is an ideal product to be used during storage as it prevents development of bacteria.

Vase FLORISSANT cut flower food is to be used at a consumer level to open the flowers and to bring the flowers to full bloom.
FLORISSANT Flower Food is available in 4kg packs and consumer sachets.

Dosage Post-harvest treatment of the freshly cut flowers:
FLORISSANT 100: Shake the container before use and add 0.5 ml per litre of water. Stir gently and use the solution for a maximum of 5 days.
FLORISSANT 200: Put 1 tablet in 3 litres of water. Stir gently and use the solution for a maximum of 3 days.
Rehydration or storage of a properly treated flower:
Dosage of 5ml/litre **FLORISSANT 600** will be sufficient.

*Note: Always use clean buckets and clean water. Do not combine any other treatment with the above, without consulting us. Never mix an old solution with a fresh one.
FLORISSANT 100 & FLORISSANT 600 give an acid solution which should be used in contact with acid-proof pumps, hoses, etc. only. Avoid any contact of the concentrate and the ready-to-use solution with metals.*

Packaging FLORISSANT 100 is available in 1 litre and 5 litre containers.
FLORISSANT 200 is available in packs of 250 tablets.
FLORISSANT 600 is available in three different pack sizes:

1. 200 litre drum stock solution.
Dosage 10 ml/litre (effectively 20,000 litres ready to use solution).
2. Concentrated GEL in 5 litre containers. One container is sufficient to make 40 litres of stock solution.
Dosage 10 ml/litre (effectively 4,000 litres ready to use solution).
3. Concentrated set of 2 components. One set is sufficient for 100 litres of stock solution.
Dosage 10ml/litre (effectively 10,000 litres ready to use solution).

Precautions FLORISSANT should be stored in a dry and dark place. Keep the product cool but frost free. Avoid contacts from eyes and skin with the concentrated product.

All FLORISSANT® products are manufactured with the greatest care and are kept under constant laboratory surveillance. The manufacturer however cannot be held liable if the product is applied incorrectly.