

FLORISSANT[®] Treatment for Orchids



Introduction	After harvesting, the flowers are very sensitive to ethylene and suffer from a water uptake problem after dry transport. The immediate consequences of these problems are flower and bud abortion as well as wilting, insufficient opening and short vase life.
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 stems the stems dry out irreversibly and rehydration becomes a problem mainly because the lack of evaporating parts. This results in wilted flowers due to lost turgidity, which reduces the ornamental value drastically. Only when treated immediately after the Florissant 100 treatment this problem can be avoided by using FLORISSANT 320.</p>
Effects	<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> <p>FLORISSANT 320 consist of a wetting agent, bactericide and a little amount of sucrose. Post-harvest treatment with this product prevents bacteria growth as well as dehydration. At the same time the flowers are being supplied with such low levels of sucrose that their development is not restricted</p>
Post-Harvest	<p>Post-harvest treatment with FLORISSANT 100 and FLORISSANT 320 should be done in this sequence and should always be done at the growers level. Prepare the FLORISSANT solutions just before harvesting.</p> <ul style="list-style-type: none"> • Always start by placing the freshly cut flowers in the FLORISSANT 100 solution for at least 4 hours. Do not exceed treatment time by 72 hours. • Secondly put the flowers into the FLORISSANT 320 solution until they reach the consumer.
Neutralisation	<p>Neutralization of residual solutions is necessary because the residual solution contains traces of silver. Please refer to FLORISSANT 100 for further instructions.</p> <p>Florissant 320 is biodegradable and can be put into the normal waste water system.</p>
Rehydration	Flowers which have been treated properly during post-harvest with Florissant 100 + 320 at the recommended rates can be stored in Florissant 320 or 330 at a florist and consumer level.



Storage	FLORISSANT 320 is an ideal product to be used during storage as it prevents development of bacteria whilst it continues to put power into the flowers and buds.
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.
Dosage	<p>In case of post-harvest treatment of the freshly cut flower use</p> <p>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.</p> <p>FLORISSANT 320: Shake the container before use and add 10 ml per litre of water. Stir gently and use the solution for a maximum of 5 days.</p> <p>Rehydration or storage of a properly treated flower a dosage of 5ml of FLORISSANT 320 or 330 per litre of water will be sufficient.</p> <p><i>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 gives 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.</i></p>
Packaging	<p>FLORISSANT 100 is available 1 litre and 5 litre containers.</p> <p>FLORISSANT 320 is available in 5 litre containers.</p> <p>FLORISSANT Cut Flower Food is available in 4kg packs and consumer sachets.</p>
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.