



# Treatment for Lilium

**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** 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.

After cutting the flowers their hormone level gets misbalanced. For Lilium 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 or Florissant 210 Concentrated liquid.

**Effects** FLORISSANT 200 and 210C consist of natural plant growth hormones. Post-harvest treatment with these products restores the misbalanced hormone level of the flowers. 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

**Post harvest** Post-harvest treatment with FLORISSANT 100 and FLORISSANT 200/210C may happen at the same time or successively. Prepare the FLORISSANT solutions just before harvesting.

- 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 200/210C 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.

Total treatment time should not exceed 72 hours.

Neutralization	Neutralization of residual solutions is necessary because the residual solution contains traces of silver. The process is explained in our special instructions “How to neutralize the residual solutions of FLORISSANT 100”.
Rehydration	Flowers which have been treated properly during post harvest with Florissant 200/210 at the recommended rate can be rehydrated with FLORISSANT 500. This is an ideal product for the rehydration of Lilium after dry transport as it kills bacteria. Flowers which have NOT been treated properly during post harvest with Florissant 200/210 need to be rehydrated with FLORISSANT 200/210.
Storage	FLORISSANT 500 is an ideal product to be used during storage as it kills 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. <b>Note: Florissant Flower Food is available in 4kg packs and consumer sachets.</b>
Dosage	In case of post harvest treatment of the freshly cut flower use FLORISSANT 100: Shake the container before use and add 1ml per litre water. Stir gently and use the solution for a maximum of 5 days. FLORISSANT 200: Put 1 tablet in 3 litre water. Stir gently and use the solution for a maximum of 3 days or FLORISSANT 210C: Shake the container before use and add 0.05ml per litre water. Stir gently and use the solution for a maximum of 3 days. Rehydration or storage of a properly treated flower a dosage of 1 tablet FLORISSANT 500 per 3 Litre water will be sufficient. <b>Note: Always use clean buckets and clean water. Do not combine any other treatment with the above, without consulting UFO SUPPLIES or its agent 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.</b>
Packing	FLORISSANT 100 is available in bottles (6x1 litre per carton) and jerry cans (4x5 litre per carton). FLORISSANT 200 is available in jars of 250 tablets. FLORISSANT 210C is available in 250ml and 1 litre bottles FLORISSANT 500 is available in jars of 1,000 tablets. 12 jars/box.
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.