

Specific Crop Treatments



Carnation

Carnation, Miniature Carnation
Family: *Caryophyllaceae*
Genus: *Dianthus*
Origin: Central & Southern Europe

Grower Recommendations

Carnations and miniature carnations are ethylene sensitive. They benefit from an anti-ethylene product treatment such as EthylBloc®. Treat flowers as soon as possible after harvest. After cutting, place flower stems in a solution of Hydraflor/100 for 1 hour (or up to overnight at 34-38F). Transfer stems to a solution of one of Floralife Professional formulas for storage. Please contact Floralife for specifics.

Wholesaler/Retailer Recommendations

Buying Tips:

Ask: Has product been pretreated with a commercial anti-ethylene product, such as EthylBloc®? What is the source of the product? What is the cultivar name? Has the product been stored dry or wet?

Processing:

Remove foliage below water level. Recut stems.

Pretreatment:

If the carnations or mini-carnations have not been treated with an anti-ethylene product, treat them with a commercial anti-ethylene product such as EthylBloc® as soon as possible. Or if carnations or mini-carnations have been treated with an anti-ethylene product, use one of Floralife's Fresh Flower Foods (*see Holding Solution*) to promote water uptake and hydration. This treatment will help increase bud opening, decrease flower wilting, and help keep stems free flowing.

Holding Solution:

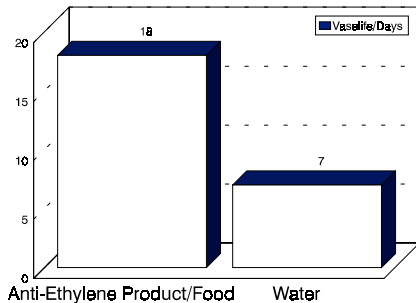
Use fresh flower food at recommended rate: Use Floralife® Crystal Clear™, Floralife® Professional or Clear Professional, or depending on water test results, Floralife® Original, Special Blend Hard Water® or Special Blend Pure Water®.

To have water tested, send a plastic quart bottle of your water to: Floralife, Inc., 751 Thunderbolt Drive, Walterboro, SC 29488, Attn: Laboratory. Hold flowers at room temperature for 1-2 hours (2-4 hours if flowers are limp or exhibiting bent neck) prior to storage in cooler or designing. As a finishing touch to any floral design, spray Floralife FloralMist® over entire project.

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Carnation (continued)

'Delphi' Carnation Treatments



Storage:

Place in a 34-38°F cooler with 80-90% humidity.

Cleaning:

Use Floralife Formula D.C.D.™ to clean buckets, vases, coolers, etc. D.C.D. is specifically formulated to kill microbes over an extended period.

Customer Satisfaction:

Always give a packet of a Floralife Brand Fresh Flower Food with your designs. Five gram packets treat one pint of water. Ten gram packets treat one quart of water.

Troubleshooting:

Problem:

Early sleepiness

Reason/Solution:

Most likely due to exposure to ethylene and/or high temperatures during shipping and/or storage. This may also indicate improper or no anti-ethylene treatment. Find out if the flowers have been treated with an anti-ethylene product and/or look into purchasing cultivars that are less ethylene sensitive.

Split Calyx

Likely due to production conditions and age of product.

Buds fail to open

Product may have been stored too long or improperly kept out of solution for an extended period, or exposed to ethylene. Make sure anti-ethylene pretreatment is used; check on storage conditions; make sure one of Floralife's Fresh Flower Foods is used.

Do not know if flowers were anti-ethylene treated and/or treated properly

Use the "Apple Test"* to check for proper anti-ethylene treatment.

*See Appendix