

# Floralife RESEARCH UPDATE

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## EthylBloc™ Sachet: A New Application Method

### Background

EthylBloc™ technology is an effective ethylene action inhibitor that protects flowers from ethylene damage. The traditional method of applying EthylBloc technology has been to treat flowers (or plants) in a large enclosed area. Floralife® Inc. has recently introduced the EthylBloc sachet, designed for smaller treatments, such as in-box use. The sachet packet which absorbs moisture and time-releases the EthylBloc technology powder. The active ingredient's slow and constant release ensures that plant materials are thoroughly exposed to it during shipment. This product is designed to be used inside boxes during shipment of fresh-cut flowers, potted and bedding plants.

### Research

Researchers at Floralife and independent labs conducted experiments to evaluate the effectiveness of EthylBloc sachet treatments and to compare it to the atmospheric EthylBloc treatment. At a farm in Colombia, cut carnation and rose stems were treated with EthylBloc in an enclosed space, or treated with EthylBloc sachets in flower boxes. Both flowers were shipped to the United States and brought to the Floralife laboratory for testing. Flowers were exposed to ethylene, and the vase life of the flowers was determined.

### Results

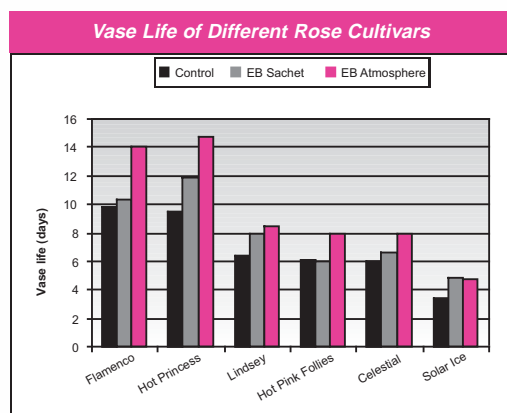
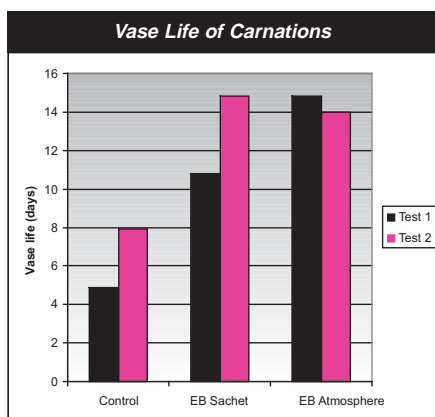


Figure. Effects of EthylBloc sachet and atmosphere treatments on carnations.

### Conclusion

EthylBloc sachet treatment provides effective protection against ethylene damage to carnations and roses. The sachet's effectiveness is comparable to EthylBloc atmosphere treatments in carnations and some cultivars of roses.

EthylBloc is a registered trademark of Rohm and Haas Company. Not for use on food or food crops.

For more information or to download a copy of our "Care and Handling Book" on line, visit [www.floralife.com](http://www.floralife.com). Questions? e-mail: [info@floralife.com](mailto:info@floralife.com)

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