



EthylBloc™ Technology
Truck Treatment



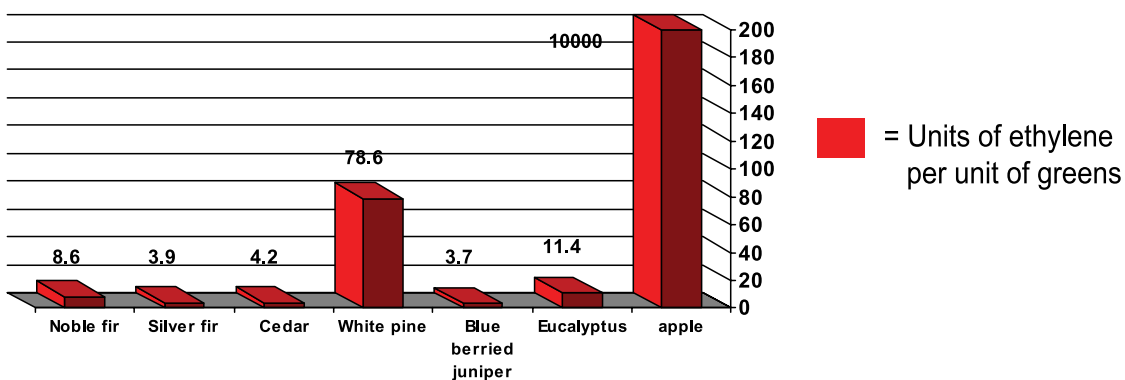
EthylBloc™ Sachet

Holiday Evergreens and Ethylene: How Much Is Too Much?

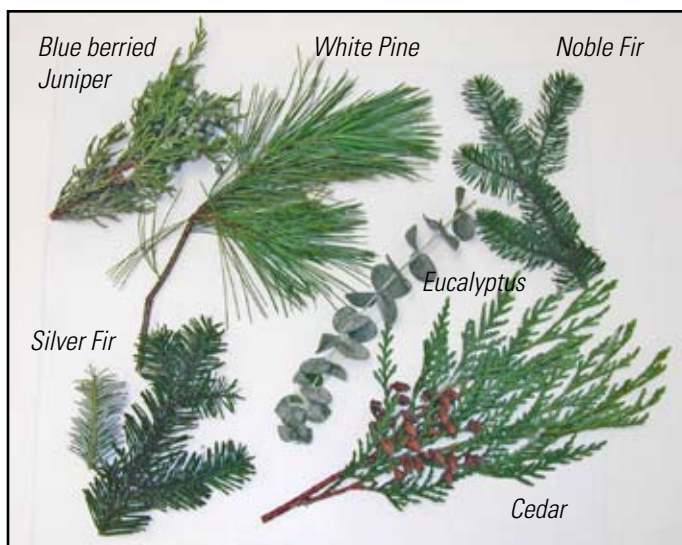
Background

High levels of ethylene may cause damage to cut flowers and potted plants. Often crops that produce high levels of ethylene are stored in the same location as those crops that are very sensitive to ethylene. This can be a major problem and may result in increased shrink. Thus, these common holiday evergreens were tested for ethylene production using gas chromatography.

Relative Ethylene Production



White pine produced significantly more ethylene than the other Holiday evergreens. However, even this amount is very low compared to the ethylene production of apples. (Kader 1992)



Conclusion

Different types of fresh cut evergreens produce different levels of ethylene gas that can be harmful to fresh cut flowers. We would suggest:

- 1) Treating your fresh cut flowers with an ethylene action inhibitor such as EthylBloc™ Technology.
- 2) Store fresh cut flowers at 34 - 38° F to minimize ethylene damage, since there is a relationship between ethylene damage and storage temperature.
- 3) Store ethylene sensitive flowers away from the high producers of ethylene gas.

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