

## **EFFICIENT ETHYLENE REMOVAL WITH GREENGUARD MULTI-MIX® MEDIA**



**Ethylene** is an odorless and colorless gaseous chemical that occurs naturally in the air. It's the chemical that ripens plants and fruits. Different fruits produce ethylene at different points in their life span. Climacteric fruits continue to ripen once picked and non-climacteric fruits, such as berries, pineapple, oranges, cherries, etc, will stop ripening once picked which greatly reduces their available shelf life. Usually, ethylene is produced at important stages of the plant's life, such as during the

ripening process and the process of dropping the leaves.

Preserving freshness of horticulture produce has been a constant challenge for the food industry, especially during long haul transportation and shipment. While ethylene gas is used under controlled conditions as a ripening agent, even small amounts of ethylene gas during shipping and storage causes fresh produce to deteriorate faster. Even trace levels can cause measurable damage in both fresh produce and floral products.

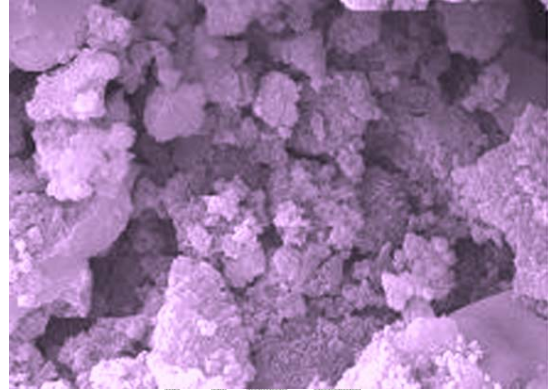
### **PROTECT YOUR INVESTMENT...**

### **Extend Shelf Life with GREENGUARD MULTI-MIX® MEDIA**

From the field to the consumer, there are many people involved in the production, transportation and sale of fruits, vegetables and plants. Therefore, when produce or floral does not make it to the consumer before its shelf life expires, many are affected. In order to minimize these consequences and keep everyone from the farmer to the consumer happy, **Circul-Aire** has the solution to limit or diminish the amount of ethylene that is produced.



**Circul-Aire** manufactures a wide variety of unique **MULTI-MIX®** chemical filter media specially designed to remove an extensive range of contaminants from the air. Circul-Aire's **MULTI-MIX®** chemical filter media, used either individually or in combination, provide continuous purification of air containing corrosive, odorous, and toxic contaminants in both commercial and industrial environments. This includes the chemical ethylene. By impregnating the supporting catalyst media with potassium permanganate, Circul-Aire's® chemical media is able to absorb the ethylene and extend the shelf life of plants, fruits and vegetables for an estimated extra two weeks. The chemical filter provides superior performance in removing ethylene gas from fruits and vegetables as well as plant packing and/or storage areas.



**GREENGUARD MULTI-MIX®** media lasts 100-percent longer, which significantly reduces maintenance and media replacement costs. **GREENGUARD MULTI-MIX®** media proprietary process produces a randomly-shaped, coarse-surfaced, granular media resulting in multi-faceted macro surface adsorption capacity, superior to the industry's conventional smooth-surfaced and symmetrically-shaped media pellets.

## ADVANTAGES OF GREENGUARD MULTI-MIX® MEDIA

- CA+ Specifically designed and formulated for ethylene removal
- CA+ Extended shelf life
- CA+ Applicable with new and existing models of **Circul-Aire®** gas-phase filtration equipment
- CA+ Compatible as a drop-in replacement with most competing brands
- CA+ TECH-CHEK® program for media verification of efficacy and life expended provided by Circul-Aire's state-of-the-art, ISO-Certified laboratory
- CA+ Recirculation through gas-phase filtration – conserves energy by reducing outdoor air intake
- CA+ Reduced maintenance costs
- CA+ GREENGUARD chemical media production complies with ISO-14000 requirements for a closed loop manufacturing process with no environmental impact.



## APPLICATIONS

- CA+ Controlled Atmosphere Storage
- CA+ Florists
- CA+ Ripening Rooms
- CA+ Nurseries
- CA+ Warehouses



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[www.circul-aire.com](http://www.circul-aire.com)