

Xbloom™

Modified Atmosphere/
Modified Humidity Packaging

Preserves freshness of cut flowers
during prolonged storage and
transport

Xbloom™ A New Era in Floral Preservation

Welcome to the future of floral preservation with Xbloom™. Powered by Xtend® Modified Atmosphere (MA) / Modified Humidity (MH) and condensation control technology, Xbloom™ bulk packaging creates the optimal environment for your flowers, keeping them as fresh as the moment they were harvested. Xbloom™ extends flower's preservation longer than traditional methods and is a game changer for growers, packers, distributors and retailers alike.

How Xbloom™ Technology Works

At the heart of Xbloom™ lies our proprietary Modified Atmosphere (MA) / Modified Humidity (MH) and condensation control technology. This advanced system creates a perfectly balanced microclimate around your flowers, preserving their freshness and beauty throughout the supply chain.

CO₂ and O₂ Regulation

Elevated CO₂ and decreased O₂ levels lower respiration rate and inhibit ethylene biosynthesis and action, thereby slowing aging processes.

Humidity and Condensation Control

Our unique films help maintain optimal humidity inside the packaging, reducing dehydration, whilst expelling excess moisture and inhibiting microbial growth.

Commercial Experience

Tested and used commercially with the following flowers: Roses, Carnations, Gypsophila, Alstroemeria, Delphinium, Peonies, Lily, and mixed bouquets.



Minimizes decay
caused by Botrytis



Reduces shriveling
and wilting



Slows aging



Retards leaf
abscission



Retards flower
opening

ADVANCED MODIFIED ATMOSPHERE TECHNOLOGY FOR THE FLORAL INDUSTRY

Applications for Xbloom™

Inventory Management

Allows farms to preserve flower quality until they accumulate enough for shipment or market conditions become more favorable.

Pre-Holiday Flower Storage

Enables customers to store and accumulate flowers ahead of peak holiday seasons when demand and value increase significantly.

Sea Freight as an Alternative to Air Freight

The ultimate goal for the industry is to successfully transport flowers by sea while maintaining consistently high quality upon arrival, contributing to a reduced carbon footprint.

Added Values

Extended Freshness

Xbloom™ preserves quality and significantly prolongs the storability of many flower varieties, ensuring they remain visually appealing for much longer periods.

Reduced Risk of Botrytis

Elevated CO₂ concentrations that develop inside the sealed Xbloom™ bag reduce the risk of gray mold.

Reduced Dehydration

Xbloom™ maintains optimal humidity levels and reduces dehydration during storage and transport.

Improves Supply Chain Efficiency

Xbloom™ supports extended storage, effectively managing supply fluctuations and facilitating long-distance transport. This opens up opportunities for sea freight and market expansion.



Your flowers will remain in peak condition from the moment they are packed until they reach their destination!

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