



Air Purifiers Eliminate Pathogens, Preserve Food

Marshall Space Flight Center

**KES Science & Technology Inc.
Kennesaw, Georgia**

Originating Technology/NASA Contribution

- ◆ The Space Shuttle Columbia mission STS-73 hosted a plant growth unit for potato seedlings
- ◆ To preserve the crops, NASA-funded researchers produced an ethylene scrubber to remove the gas that hastens the aging of fruits and flowers



Partnership

- ◆ KES licensed the ethylene scrubbing technology and then partnered with Akida Holdings, which now markets the technology as AiroCide
- ◆ Without producing any harmful byproducts, the technology destroys airborne bacteria, mold, fungi, mycotoxins, viruses, volatile organic compounds, and odors

Product Outcome

- ◆ Installed at supermarkets, produce facilities, and restaurants to preserve food
- ◆ Incorporated into high-end consumer home refrigerators to preserve freshness
- ◆ Used in health care settings
- ◆ Adapted for hotels, offices, and homes