

PEARS

REDUCE DECAY, CONTROL ETHYLENE AND EXTEND STORAGE LIFE

Food safety concerns, reducing decay and extending storage life without the dependency of chemicals have increased the demand of safe, proven alternatives such as OZONE.

Thanks to PC Engineering ozone generators, pears packers and processors are able to extend product life, decrease decay and enhance food safety practices naturally, without altering the organoleptic properties and meeting HACCP standards.

SCIENCE-BASED SOLUTION

PC Engineering solutions provide a safe and proven alternative for pears packers and processors.

The ozone, efficiently fumigated inside the cold storage room is used during pears storage helps to maintain the high quality of the fruit for long time, preventing the decay and consuming the ethylene.

OPTIMUM SAFETY AND EFFICACY

The unique closed-loop concentration control and remote monitoring capabilities provide optimum safety and efficacy. The measurement sensors and on-board computer maintains ozone concentration at desired set-point. The solution includes fail-safe ambient air sensors and water sensors, which constantly ensure the safety of working area and the constant efficacy of the system.

The remote monitoring service constantly tracks system performance and provides detailed reports and automated alerts.

KEY FACTS

Reduce decay:

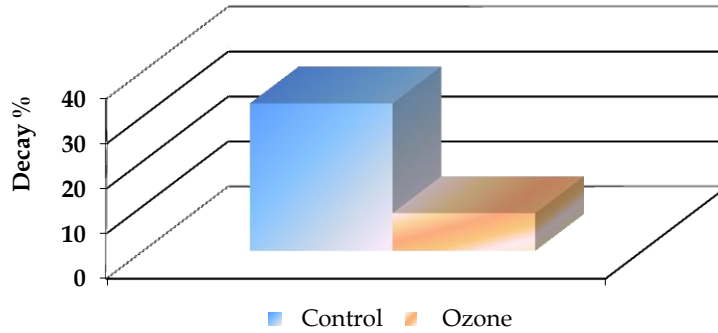
- Kill surface and airborne microorganisms
- Stop nesting of decay
- Extend storage life

Control ethylene levels in storage rooms:

- Maintain fruit pressure
- Increase storage and shelf-life
- Gain options in market timing

USDA and FDA approved

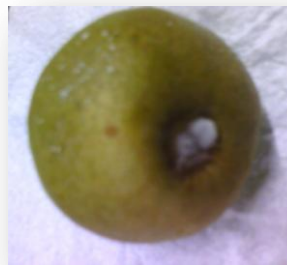




Pears decay after storage in CA cold storage room (control) and in CA cold storage room enriched with ozone.

Molds on fruit surface stored in CA cold storage room (no ozone) and in CA cold storage room enriched with ozone.

OZONE



NO OZONE



OZONE BENEFITS

	STORAGE WITH OZONE TECHNOLOGY
MICROFLORA CONTROL	All pathogens are killed. No microbial resistance phenomena
ETHYLENE CONTROL	Converts ethylene to water and carbon dioxide (process is outside the fruit)
RESIDUE ON FRUIT	None
ORGANOLEPTIC PROPERTIES and FRUIT QUALITY	Natural quality maintained
REGULATORY COMPLIANCE	None
CORROSION	None, using ozone at the indicated concentration