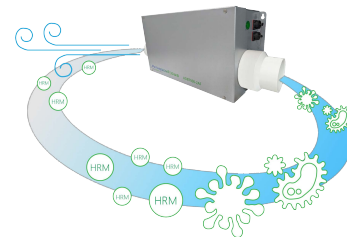


Perishable Food Co.

Air Disinfection Biosecurity



Pre-treatment Air Samples - 04/13/2017

Air Sample Location	# Samples	Avg cfu/m ³	% Difference
Cooler - 1	4	3,950	-
Cooler - 2	6	3,272	-
Cooler - 3	4	2,625	-
Cooler - 4	6	2,217	-
Cooler - 5	4	1,875	-
Cooler - 6 (control/untreated)	2	2,583	-
Outside (untreated)	2	2,844	-

Species	Raw Count	Species	Raw Count
Penicillium/aspergillus types	14,375	Botrytis spp	7,201
Penicillium brevicompactum	12,305	Stachybotrys chartarum (atra)	6,185
Penicillium purpurogenum	10,653	Mortierella, spp	4,168
Cladosporium sphaerospermum	9,285	Basidiospores spp	3,095
Aspergillus fumigatus	8,255	Alternaria spp	2,075

In-treatment Air Samples - 02/09/2018

Air Sample Location	# Samples	Avg cfu/m ³	% Difference
Cooler - 1	5	367	90.7
Cooler - 2	6	528	83.9
Cooler - 3	4	467	82.2
Cooler - 4	6	422	81.0
Cooler - 5	4	408	78.2
Cooler - 6 (control/untreated)	2	2,617	+1.3
Outside (untreated)	4	3,075	+7.5

Species	Raw Count	Species	Raw Count
Penicillium/aspergillus types	3,215	Botrytis spp	1,679
Penicillium brevicompactum	2,875	Stachybotrys chartarum (atra)	1,559
Penicillium purpurogenum	2,010	Mortierella, spp	527
Cladosporium sphaerospermum	1,955	Basidiospores spp	175
Aspergillus fumigatus	1,810	Alternaria spp	95

Sampled areas showed a **78.2% to 90.7% reduction** in airborne organisms. Ongoing treatment will continue to decrease the bioburden to acceptable levels.

Target Air Quality

Air quality scale for workplaces, public buildings, schools, and homes are as follows:

- < 100 cfu/m³ is considered clean and acceptable.
- 100 to 300 cfu/m³ is marginal.
- > 300 cfu/m³ is not acceptable and needs corrective action.

