

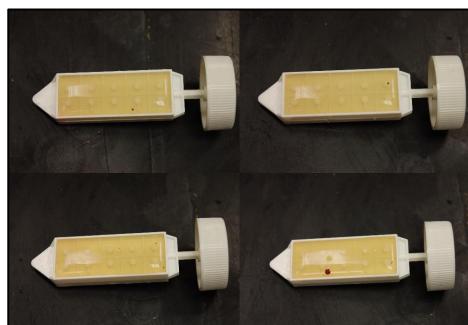
E. COLI BENCH SCALE STUDY

Atmospheric enrichment of CO2 by gassing in protected horticulture operations has enhanced plant yields for decades. However, even sealed greenhouses must vent during warmer months resulting in the CO2 gas escaping outside. This makes maintaining CO2 gas levels of >800 ppm very difficult. Non-sealed structures such as hoop houses, tunnels, shade and net houses have open ends, roofs or are porous, making CO2 gassing virtually impossible.

This means the vast majority of the 600 billion square feet of protected growers worldwide are not able to take advantage of CO2 enrichment which is proven to result in up to 30% more yield as plants are able to enhance photosynthesis. [CO2 GRO's](#) patented revolutionary [CO2 Delivery Solutions™](#) enables ALL protected grows to consistently deliver optimal amounts of CO2 to their plants via misting a saturated CO2 solution, resulting in **higher yields, faster growth, safely and profitably**.

Results:

- 99% less E. coli growth**



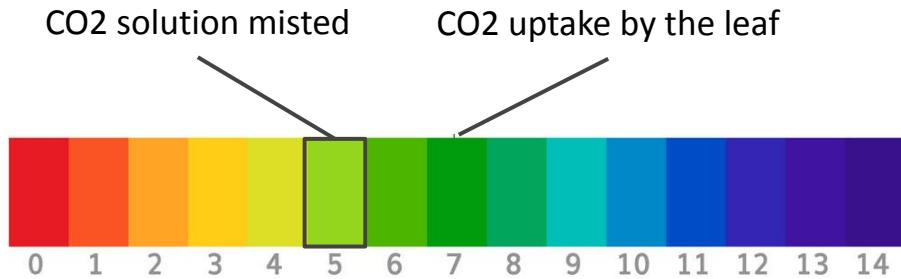
E. coli treated with CO2 Delivery Solutions



E. coli untreated

E. coli Lab Study:

Bench scale study was performed at St. Cloud State University, MN using pepper plants to observe the effect of CO2 Delivery Solutions on *E. coli*. Samples were taken from 4 untreated pepper plants and 4 pepper plants treated with misting saturated CO2 solution. In the pictures on the left, the red areas indicate *E.coli* bacteria. Treated plants showed limited growth of *E.coli* (100 – 1,000 colonies) while the bacteria was abundant in the untreated samples (10,000 – 100,000 colonies).



- pH fluctuation on the leaf surface significantly slows the spread of micro pathogens.**
- CO2 gassing alone does not provide this protection.**

All results shown were observed in demonstrations of CO2 Delivery Solutions. Results may vary according to crop and growing conditions. CO2 Delivery Solutions is not intended for use as a pesticide or herbicide. CO2 Delivery Solutions is sold as a novel method for delivery of CO2 to plants.

Delivering CO2 to Growers Everywhere.

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