

PEPPERS 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.**

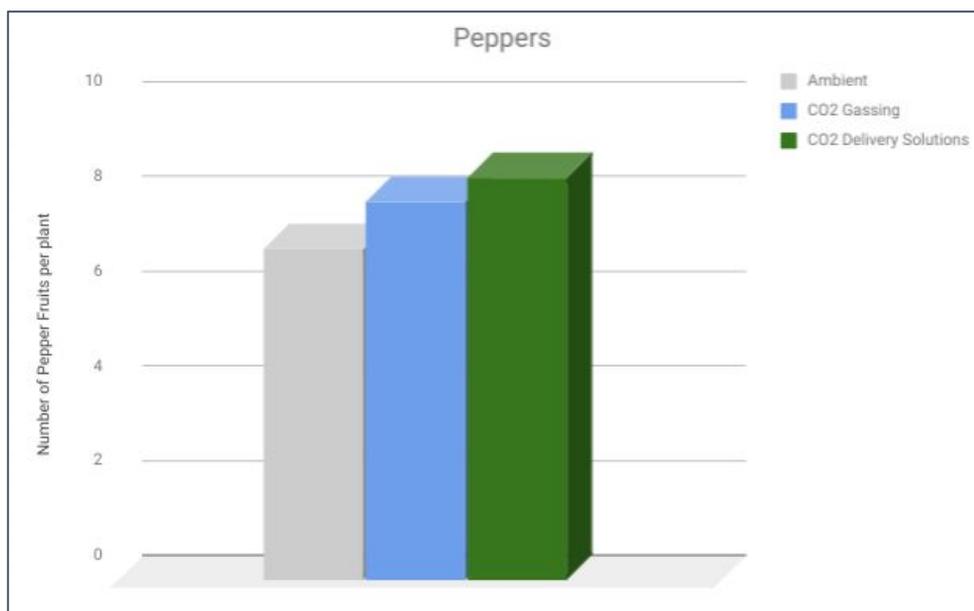


Peppers Lab Study:

Bench scale study on pepper plants was conducted at St. Cloud State University, MN. The groups grown were: one group misted with saturated CO₂ solution, one group with CO₂ gassing at 1200 ppm and one group with ambient CO₂. The results of the group misted with CO₂ solution were similar to those of CO₂ gassing, with 20% more fruit yield and 12% faster time to ripening.

Results:

- **20%** fruit increase vs ambient CO₂.
- **12%** faster ripening vs ambient CO₂.
- **47%** more plant biomass.



CO₂ Delivery Solutions results vs ambient CO₂:

8.5 pepper fruits per plant vs 7 fruits

22 days to ripen vs 25 days

195 dried grams per plant vs 132 dried grams

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.

sales@co2gro.ca - 1-888-496-1283 - co2delivery.ca