

KALE FEASIBILITY

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.**

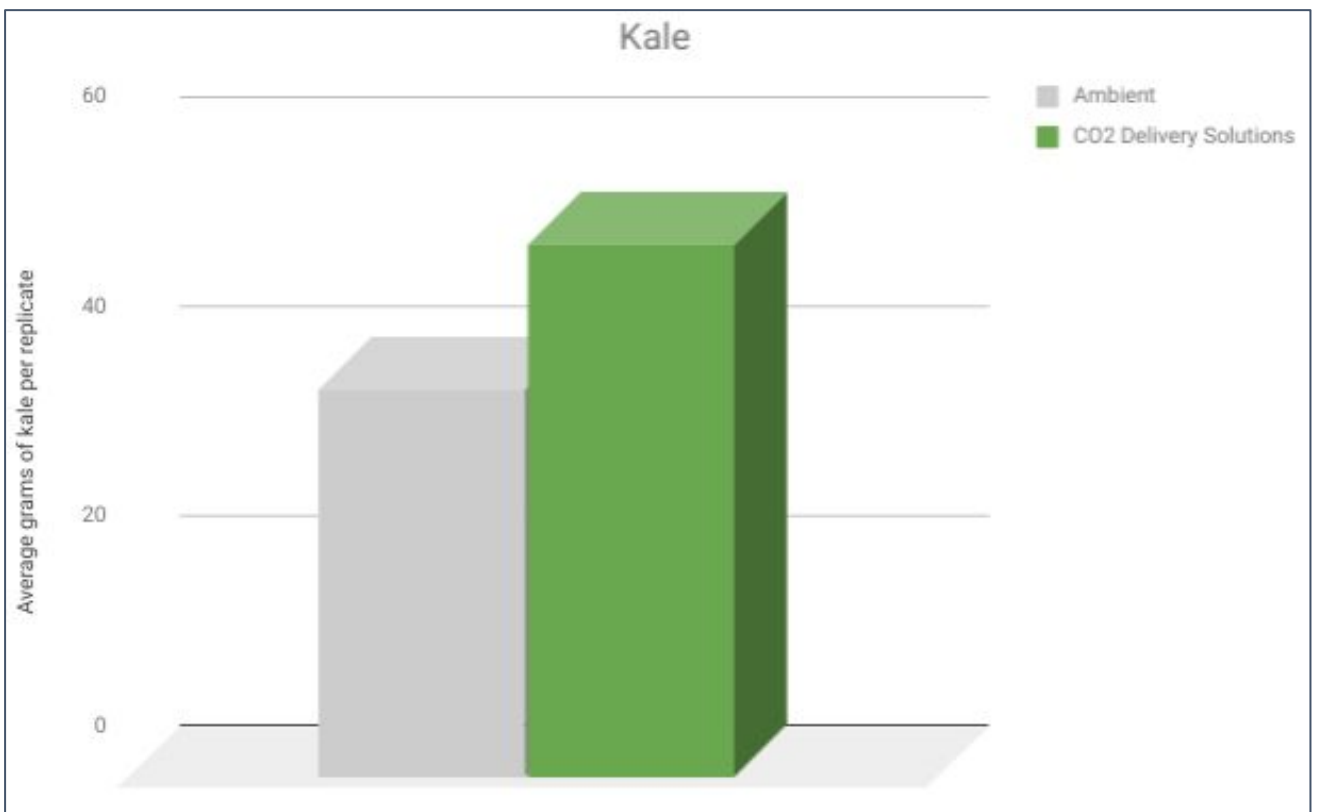


Results:

- **37%** increase in biomass
- **34%** increase in chlorophyll A

Kale Feasibility:

Commercial Feasibility was conducted on *Black Magic Kale* variety in a containerized grow system. Treatment plants were misted with CO₂ solution while control were not. Chlorophyll A (a measure of photosynthetic activity) was measured during the grow cycle. The increase in photosynthetic activity resulted in a similar corresponding increase in biomass.



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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