

YOUNG PLANTS 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**.

Benefits:

- **Enhanced root development** for optimal nutrient intake.
- Fuller / thicker crop growth
- Increased number of branches.
- Improved overall canopy.

Young Plants Demo:

Demonstrations conducted at a Michigan greenhouse on young Prudac varieties and young Periwinkle showed accelerated early stage tomato plant leaf growth in Prudac and enhanced root development in Periwinkle. Treatment plants were misted with CO₂ solution and control were at ambient conditions.



Periwinkle treated with CO₂ Delivery Solutions (left red) and untreated (right). The treated plant itself looks fuller and has more branches than the untreated plant. The treated plant's root system is also much more developed than the untreated plant.



Young Prudac tomatoes demonstration. Saturated CO₂ solution misted plant is located in the centre row on the left (red circle). It clearly has the greatest growth of all the plants in this demonstration.

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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