

## Case Study: CO2 Delivery Solutions Effect on Young Plants

Atmospheric enrichment of CO2 by gassing in greenhouses and indoor horticulture operations has enhanced plant yields for decades. However, over half of the CO2 gas is typically lost through leaks, and the vast majority of greenhouses cannot use CO2 since they require ventilation through which nearly all the CO2 in the air escapes. CO2 GRO's patented **CO2 Delivery Solutions** enables growers in ALL greenhouses and covered cultivation to consistently deliver optimal amounts of CO2 to their plants via an aqueous CO2 solution, resulting in **higher yields, faster growth, safely and profitably** as shown in numerous case studies.

### Results:

- **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 aqueous CO2 and control were not provided any CO2.



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. Aqueous CO2 treated plant is located in the centre row on the left (**red circle**). It clearly has the greatest growth of all the plants in this trail.

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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