

# C02 GRO Inc. Provides Additional Evidence of the Significant Benefits of C02 Foliar Spray versus C02 Gassing

written by Raj Shah | September 13, 2018

☒ September 13, 2018 ([Source](#)) – *C02 Foliar Spray Integrated into Irrigation Booms Demonstrate Significant Economic Benefits*

**C02 GRO Inc. ("GROW")** (TSX-V:GROW, OTCQB-BLONF, Frankfurt-4021) announces additional scientific evidence of superior plant leaf surface C02 conductance results using dissolved C02 foliar spray versus C02 gassing. Dr. Matt Julius of St. Cloud State University ("SCSU") has proven that dissolved C02 conductance on the top surface of a lettuce leaf is essentially the same as the proven 800% plus dissolved C02 conductance on the bottom surface of a lettuce leaf relative to C02 gassing.

The importance of this scientific discovery to lettuce and other high value greenhouse growers is twofold; one, C02 Foliar Spray delivered to the top as well as the bottom of a lettuce leaf is more effective in stimulating dramatically faster plant growth and plant size/mass than C02 gassing and two, proves why GROW's C02 Foliar Spray technology integrated into advanced irrigation boom trials are showing sharply faster and larger plant growth.

This SCSU discovery confirms GROW's technology potential using existing commercial irrigation booms for accelerating plant growth by spraying dissolved C02 on the tops of plant leaves as

effectively as the bottom of the leaves. Two large ongoing CO<sub>2</sub> foliar spray trials use onsite commercial irrigation booms for micro greens in Ontario and flowers in Michigan.

John Archibald, CEO noted “This additional SCSU discovery and success integrating our CO<sub>2</sub> technology into irrigation spray booms provides further evidence of the commercial potential of our technology. Our revenue generation model is long term site technology licenses and lease of our integration equipment in both indoor and outdoor boom spray systems.”

### **About CO<sub>2</sub> GRO (TSX-GROW) or “GROW”**

GROW’s mission is to accelerate all indoor and outdoor value plant growth naturally, safely, and economically using its patented advanced CO<sub>2</sub> foliar technologies. GROW’s global target plant markets are retail food at \$8 trillion per year (Plunkett Mar 2017), retail non-food plants at an estimated \$1 trillion per year and legal retail cannabis that may reach \$50 billion per year by 2022 (Bay St Analyst estimates). GROW’s sole focus is working with its plant grower and Agri-industrial partners in proving and adopting its CO<sub>2</sub> technologies for specific growers’ plant yield needs.

The CO<sub>2</sub> technologies work by transferring CO<sub>2</sub> gas into water and foliar spraying across the entire plant leaf surface area, which is a semi permeable membrane. The dissolved concentrated CO<sub>2</sub> then penetrates a leaf’s surface area naturally like nicotine naturally dissolves through human skin from a nicotine patch.

Foliar spraying natural nutrients and chemicals on plant leaves has been used for over 60 years by millions of indoor and outdoor plant growers. To date, outdoor growers have not had any way to enhance plant CO<sub>2</sub>-gas uptake for faster growth.

Indoor use of CO<sub>2</sub> gassing has enhanced plant yields for over 60

years. However, over 50% of the CO<sub>2</sub> gas is typically lost through ventilation. Current greenhouse CO<sub>2</sub> gassing levels of up to 1500 PPM are also not ideal for worker health and safety. GROW's safer dissolved CO<sub>2</sub> foliar spray can be used by indoor and outdoor plant growers with minimal CO<sub>2</sub> gas lost.

GROW's CO<sub>2</sub> technologies are commercially proven, scalable and easily adopted into existing irrigation systems. GROW's proven crop yield enhancements and revenue model is compelling for growers and Agri-industrial partners.

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