



## CO2 GRO Inc.'s CO2 Delivery Solutions™ Demonstrated to Suppress *E. coli*

**TORONTO, ON – December 16, 2019** – Toronto based CO2 GRO Inc. (“**GROW**”) (TSX-V: GROW, OTCQB: BLONF, Frankfurt: 4021) comments on the latest California based *E. coli* outbreak.

According to the Centers for Disease Control and Prevention (CDC) the latest California romaine lettuce *E. coli* outbreak has infected over 100 people in 23 States and two Provinces with 58 hospitalized. The cost of this outbreak is estimated to exceed \$120 million.

GROW’s CO2 Delivery Solutions™ has been demonstrated to slow the growth of *E. coli* by up to 99% through their “Perimeter Protection” methodology which creates an unfavorable pathogen growth environment around plant leaves. The first demonstration occurred with bacterial cultures and bacteria grown on pepper plants in Q4, 2018 at St. Cloud State University. A *Cannabis* demonstration at two U.S. commercial greenhouses was then conducted with results press released on February 25, 2019.

GROW’s “Perimeter Protection” technique mists aqueous CO<sub>2</sub> solution onto plant leaves. This creates an aqueous film around the leaves with a temporarily low pH. As CO<sub>2</sub> diffuses into the plant leaves the aqueous film’s pH increases. It is this frequent fluctuating pH volatility that arrests the growth of *E. coli* colonies.

According to John Archibald, GROW’s CEO “While our CO2 Delivery Solutions enhances plant growth, it also creates a plant perimeter defense against bacteria outbreaks like *E. coli*. We are actively introducing our technology to California growers wishing to increase profits from higher yields while lowering risks of *E. coli* outbreaks affecting consumers”.

Visit [www.co2delivery.ca](http://www.co2delivery.ca) for more information on CO2 Delivery Solutions™ or [watch this video](#).

### About CO2 GRO Inc.

GROW’s mission is to accelerate the growth of all value plants safely, effectively and profitably using our patent protected advanced CO2 Delivery Solutions™. It is a commercially proven technology that is easily adopted into greenhouses, indoor and outdoor grow operations.

GROW’s target markets are the 50 billion square feet of global greenhouse space (USDA) and the 4.62 billion acres of global cropland (USGS). While indoor gassing of CO2 to enhance crop yields has been practiced for decades, 85% of the world’s greenhouses cannot use CO2 gassing

economically due mostly to heat ventilation which causes the CO2 gas to escape. Outdoor growers cannot gas CO2 into the atmosphere to the ideal levels required of up to 1500 ppm.

GROW's CO2 Delivery Solutions™ naturally and safely dissolves CO2 gas into water creating an aqueous CO2 solution which is then misted directly on plant leaves. GROW has demonstrated improving crop yields by up to 30% with up to 30% faster growth. The CO2 solution's micro droplets create an aqueous film around the entire leaf surface, isolating the leaf from the atmosphere. This creates a diffusion gradient favoring CO2 transport into the leaf and other gases out of the leaf. Increased carbon availability enhances photosynthesis resulting in faster and larger plant growth. CO2 Delivery Solutions™ has been demonstrated on crops including cannabis, lettuce, kale, microgreens, peppers, flowers and medical tobacco. Growers everywhere can now supplement CO2 to their crops using CO2 Delivery Solutions™, increasing plant yields and profits.

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For more information, please visit [www.co2gro.ca](http://www.co2gro.ca) or contact Sam Kanes, VP Communications at 416-315-7477.