

# How CO2 Foliar Spray Affects Cannabis Plants

Helping Growers Increase Crop Yield / Revenue  
and Lower Cost

## Cannabis

The cannabis plant is quickly becoming a must have crop for many growers as it is rapidly legalizing throughout North America for medicinal and now recreational purposes. Cannabis plants are harvested for their leaves and buds which contain powerful cannabinoids known as THC and CBD. Being able to increase the concentrations of these compounds, in addition to producing larger leaves and buds is what cannabis growers strive for.

## Key Features and Benefits

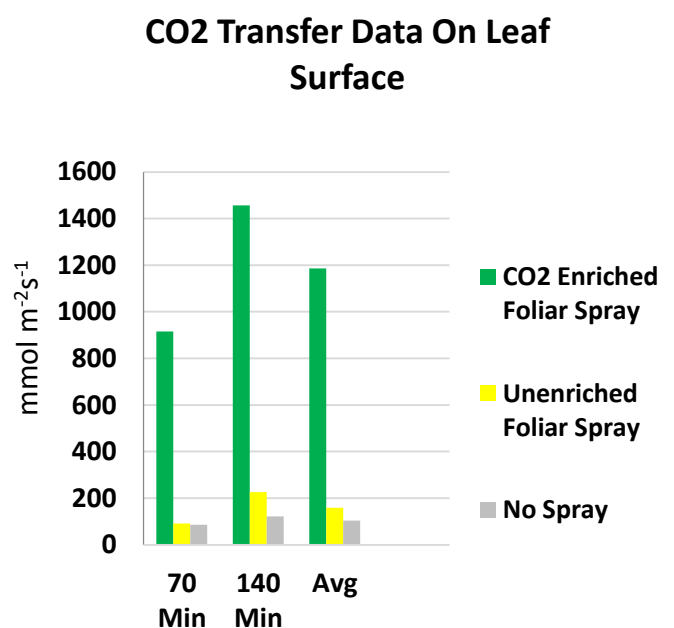
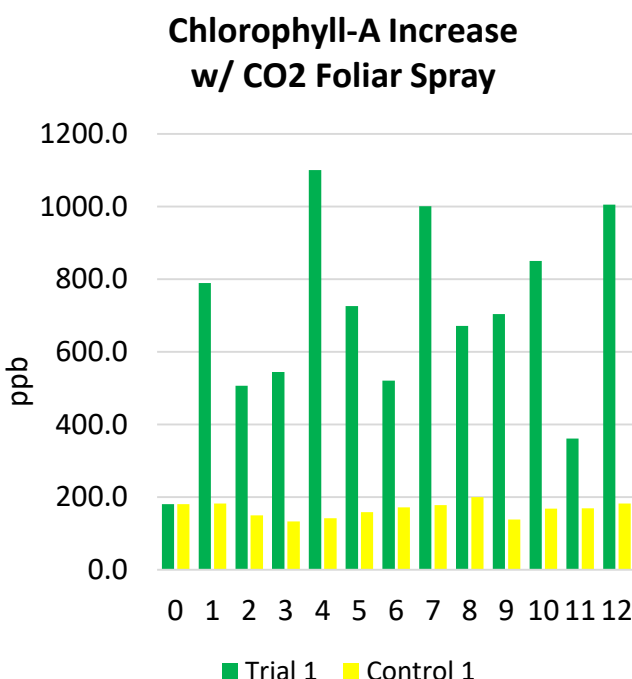
- Proven to significantly increase plant growth
- Both indoor and outdoor delivery capability
- Lower costs - greenhouse CO2 OPEX savings
- Easily integrated into ALL existing irrigation systems
- Negligible CO2 gas losses indoors & outdoors
- Ease of operation, simple equipment components and controls



ACMPR  
5 week  
Cannabis Trial

## CO2 Foliar Spray Test Results

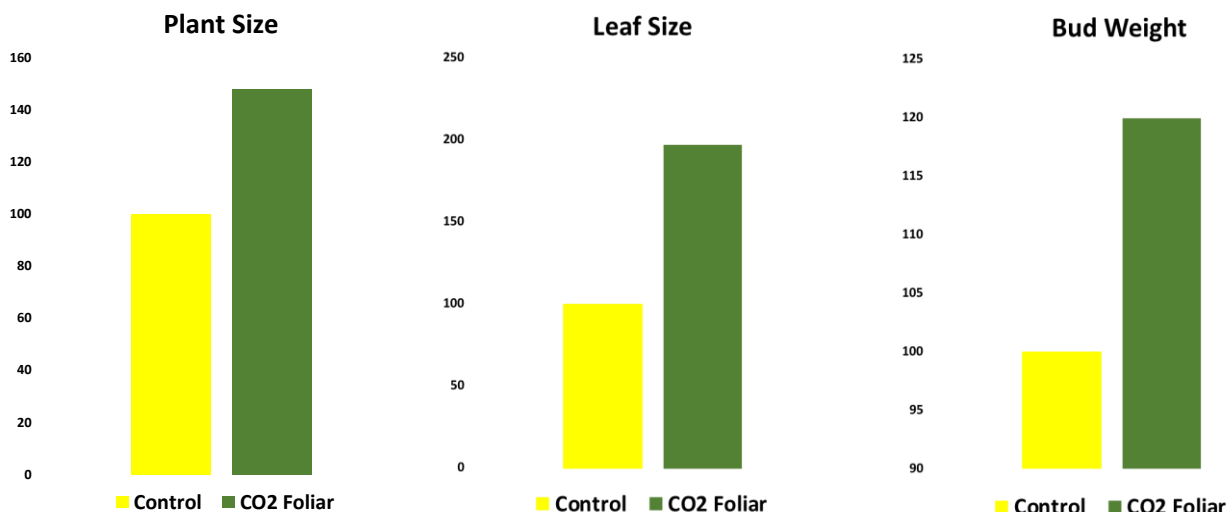
Studies performed at St. Cloud State University, on pepper plant's, have shown:



## Cannabis Test Results

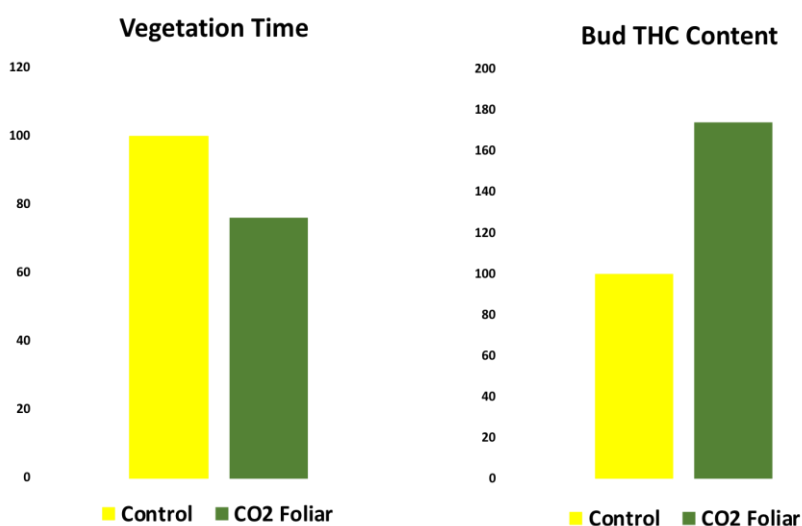
All results from ACMPRs in greater Toronto area. All plants were hand sprayed. The control was sprayed with normal water while the treated group was sprayed with water semi-saturated with dissolved CO2. The treated group saw the following benefits:

- Plant size increased by more than 40%
  - Leaf size nearly doubled
  - Bud weight increased by 22%



Additionally, the time the plants took to go from vegetative growth stage to bud flowering was 31.5% faster than the control. Due to the vegetative growth phase lasting 60% of the full cannabis growth cycle, there was a net 18.9% increase in plant growth rate. This points to the potential to grow one more additional indoor cannabis crop per year. Currently indoor growers can only produce 5.5 crops per year.

Indica bud THC and CBD levels were also analyzed by SGS Laboratories where THC levels increased by 74% and CBD levels increased by 89%.



[sales@co2gro.ca](mailto:sales@co2gro.ca)

1-888-496-1283

[www.co2gro.ca](http://www.co2gro.ca)