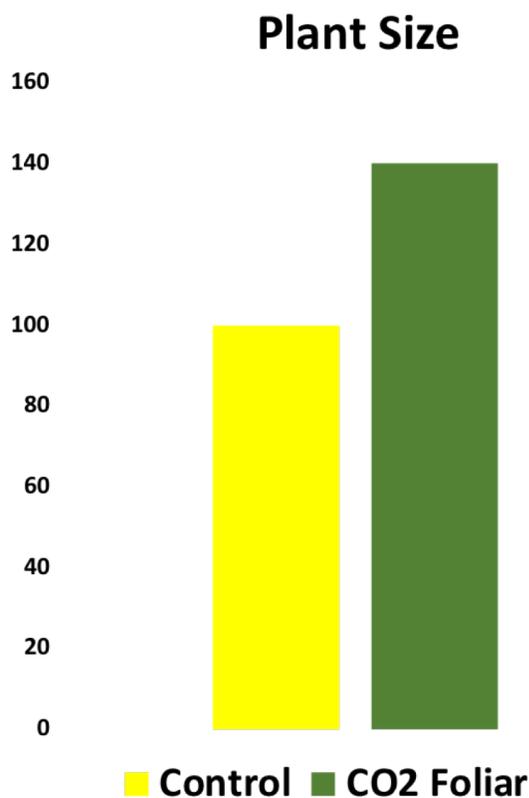
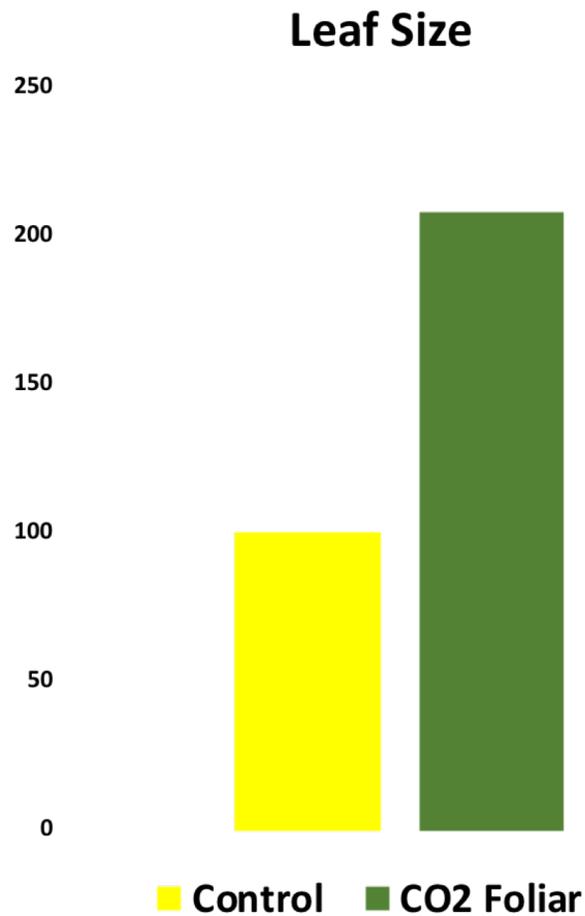


Sativa Cannabis Strain Trial Results

Sativa cannabis strain trials were performed at a Toronto area ACMPR licensee. The yield, speed to maturity and concentration of THC and CBD results were very positive and are documented in this report. The cannabis plants were hand sprayed with dissolved CO2 water while the Control Group plants were sprayed with normal water. The CO2 Foliar Group of 120 commercial plants were sprayed with water semi-saturated with dissolved CO2 gas that was sprayed onto the leaf surface by a hand spray device. There were 120 commercial control group cannabis plants, which did not have CO2 Foliar Spray or CO2 gas applied.

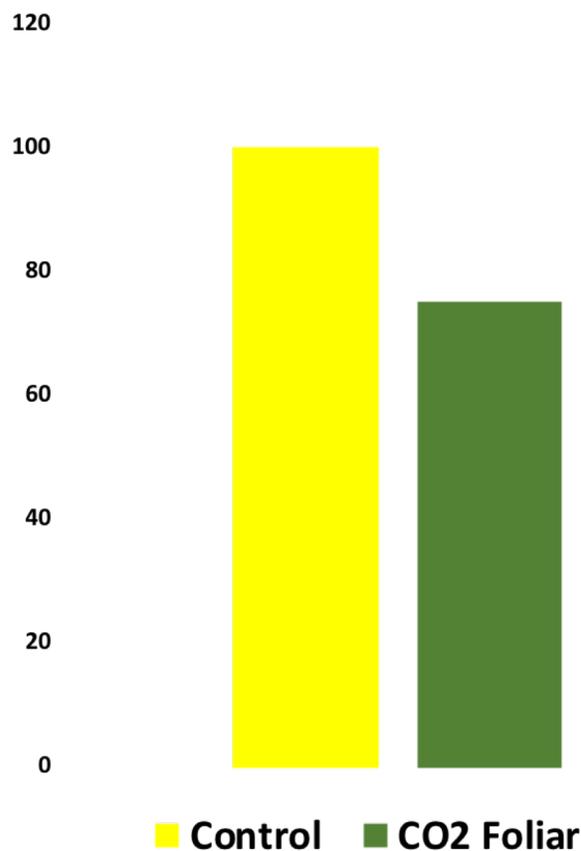


Both the plant and leaf size showed early signs of biomass increase in the CO2 Foliar Group versus the Control Group. The plants' size increased by 40+ percent. There was a marginally greater increase in height than breadth. Leaf size, where the first signs of increased growth occurred, showed the most dramatic size increase as Foliar Group leaves were nearly double in size versus the Control Group. These results tracked our Ag-Sci research where plants' chlorophyll A increased by 4 times. No measurements were taken of the plant roots, either on Control or CO2 Foliar Groups.

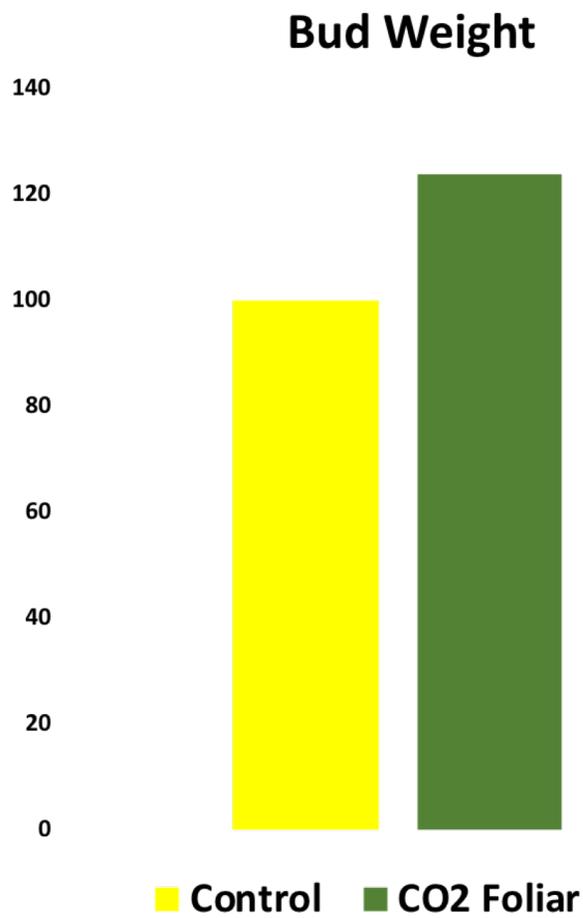


Time to plant maturity in the vegetative plant growth stage to cannabis bud flowering of the CO2 Foliar Spray Group versus the Control Group was 33% faster. We estimate the vegetative plant growth phase to be 60% of a full cannabis plant grow cycle. This nets to a 20 percent faster plant growth to maturity. The net result shows the potential to grow one more cannabis crop per year by cannabis LPs that currently grow 5.5 crops per year. No more growth infrastructure (buildings, lights, etc.) is needed to get this 20% increase.

Vegetation Time



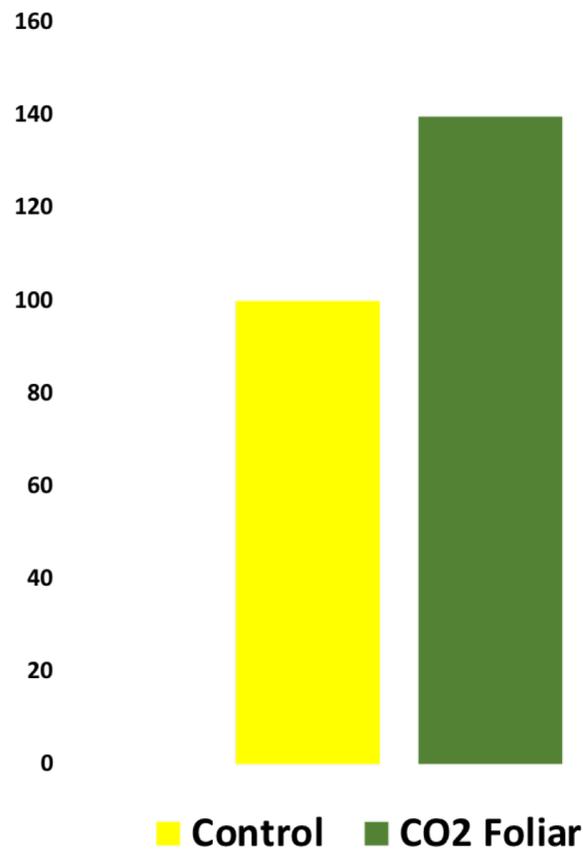
The overall bud weight harvested from the CO2 Foliar Spray Group was 22% greater than the buds harvested in the Control Group. The quality of the buds to the eye was the same. No foliar spray was applied to the buds.



The bud THC and CBD levels were analyzed by SGS Laboratories. SGS is accredited by Health Canada for the analysis of cannabinoids. The CO2 Foliar Spray Group had a 19% increase in total THC versus the Control Group bud THC.

The CBD levels increased a greater 34% in the CO2 Foliar Spray Group buds versus the Control Group buds.

Bud THC Content



Results of independent plant physiology have shown:

- An increase in conductance of CO₂ using CO₂ Foliar Spray by as much as a factor of eight times
- An increase in the growth of chlorophyll A by as much as a factor of four times using CO₂ Foliar Spray technology
- When deploying CO₂ Foliar Spray, CO₂ is transferred into the leave on both the top and bottom of the leaf; top being irrespective of the leaf stomata.

Total bud value, including increases due to vegetation time, increased bud weight and increased THC content is 74%.

Bud Value Increase

