

Carbon dioxide is a chemical compound with the chemical formula CO₂. It is made up of molecules that each have one carbon atom covalently double bonded to two oxygen atoms.

The more CO₂ there is available in the environment, the faster the rate of photosynthesis will be up to a certain limit. When the CO₂ concentration is low, it can limit the rate of photosynthesis as the rate of CO₂ uptake is slower. Increasing CO₂ levels beyond the optimal level will not increase the rate of photosynthesis further, but it can lead to other issues such as reduced stomatal conductance and water loss, ultimately leading to decreased plant growth and yield.

CO₂ THE DIFFERENCE MAKER.

Plant cells only make use of CO₂ during light exposure. When increasing the CO₂ levels, it is necessary to also increase water, nutrients, and light proximity to plants. The presence of CO₂ enables the plant to grow at a faster rate than it would in an unaltered environment. The stomata (the porous openings of the plant) take in the CO₂ that is available and release water vapor when open. When increasing CO₂ levels, the stomata do not open as widely due to high availability thus producing less water vapor. This creates a stronger and more resistant plant structure.

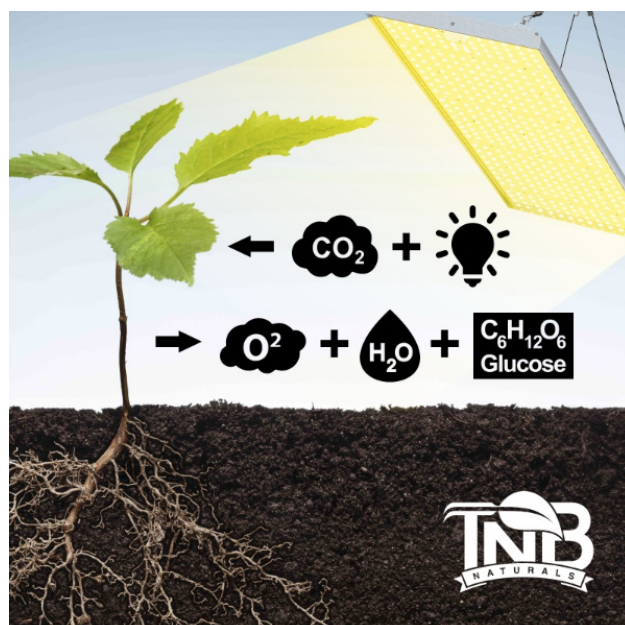
INTEGRATING CO₂

In an unaltered environment, a plant will be exposed to an atmosphere containing 390-400 parts per million (ppm) of carbon dioxide. A plant will not grow or thrive in environments with less than 300 ppm in its atmosphere. When modifying the growing environment to increase the yield of your plants, a grower will increase their CO₂ up to 2,000 ppm. Although, the recommended CO₂ level is 1,200-1,500 ppm. You can relate elevating CO₂

levels to natural steroids- the plants can only sustain so much growth over a shortened amount of time before the plant experiences tissue damage and no longer produces a desirable product. Higher CO₂ levels create a more compact cellular structure in the plant that yields a denser and bigger product.

Add CO₂ with The Enhancer natural CO₂ generator by TNB Naturals.

An easy-to-use product that increases plant health and yield from 30-50%.



The Enhancer

Set Up Instructions
TNB CO₂ Dispersal Canister



Activate by adding one litre of lukewarm water.

Place lid back on, remove sticker, cover hole & shake.



Hang slightly above the canopy and CO₂ (being a heavier gas) will cascade down over the plants.

Place an oscillating fan in front or behind the bottle to evenly spread the CO₂ around the room.



If exhausting, place The Enhancer as far away from the vent as possible.

