



# Supporting Cannabis Growers to Increase Productivity, Yield, and Profits

As demand for cannabis production has grown in response to demand for personal and medical use across the US and globally, manufacturers have invested in high-quality production facilities designed to maximize yield and meet industry standards for quality. This means that an industry once part of the informal economy producing small batches of various quality is now a major commercial activity with stringent rules and regulations.



*“The story began with a deep interest in cannabis and the impressive qualities it possesses. Our entrepreneurial drive started in earnest and continuously drives us to perfection. We applied our nanotechnology to standard processes and elevated the yield results into something extraordinary.”*

## The Challenge

Growing crops on a commercial scale requires homogenous soils, consistent irrigation, good lights levels, effective fertilizer, and standardized production. Even a slight variation in these factors can affect production, leading to the crops drying out at different speeds, spreading pathogenic agents, and potentially causing root rot. Success depends on the industry learning from other commercial agricultural and horticultural producers of fruit, vegetables, and flowers. Given that many of the biggest producers operate large industrial units, this is a business that is more akin to a commercial factory than a farming operation.

A primary goal of any Cannabis producer is to achieve the most efficient production because the more significant the yield, the greater the profits the business will gain.



***“What if we could create something that doesn’t exist that would multiply the weight of a plant significantly?”***

## **Our Solution**

At Nano Grow Max, Inc., we develop authentic transformational products for volume crops, including corn, soybean, rice, and cannabis, creating improved grower profitability. Our latest product, designed specifically for Cannabis producers, has proven itself a force to be reckoned with!



These products have been designed as catalysts (not fertilizers) and delivered to the plants as part of a regular feeding and watering schedule. We achieve this by providing patented products to maximize and multiply a plant’s yield, using a unique combination of plant extracts and nanotechnology.

The application of nanotechnology in our products works by improving the uptake and deployment of all the nutrients delivered to the plant, which helps the plant make the best use of those nutrients. This directly results in increased plant growth efficiency as the nano-sized molecules penetrate all the multifunctional surfaces of the plant. In turn, the plant’s accumulated energy savings are deployed into its growth process. This, in turn, significantly increases growth and yield.





## Independent Tests Prove Our Product

Both RootMAX and GroMAX have been subject to independent testing to assess their effectiveness when applied to the roots and foliage of the plants.

The first test included a 36-plant total indoor grow consisting of 18 control plants and 18 test plants within the same grow environment. GroMAX was applied to the top/bottom of the leaf, stalk, and soil daily at a rate of 5ml per plant over 49 days (but not during the last seven days of the flowering phase).

The second test saw 3ml of RootMAX applied to 28 plants in a 56-plant outdoor grow (the other 28 were control plants) every day, mixed into the water and nutrients. GroMAX was applied to the top and bottom of the leaf and stalk at a rate of 4mL per plant twice a week. Both applications were used during the 115- day test.

**The results were incredible!**



***“I wasn't expecting anywhere near the 41% yield increase I measured. It was more than I ever thought was possible”***



## The Results

These tests show that our products deliver a 41% and 17.5% increase in yield, respectively.

CONTROL	TEST	GAIN
18 plants	18 Plants	\$22,000
27 lbs.	38 lbs.	11 lbs.

  

CONTROL	TEST	GAIN
28 plants	28 Plants	\$16,600
47.5 lbs.	55.8 lbs.	8.3 lbs.

These results translated into financial returns for cannabis producers; there is potential to deliver between 200% and 600% Return on Investment (ROI). And it's not just Cannabis production where we provide these returns. We have carried out these tests across many other crops, including maize, soybean, and rice using other applications.



For more information about improving crop yield, get in touch with us today.

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