



Natural Growth Biostimulants

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# GROWER'S NOTES FOR CANNABIS SATIVA - HYDROPONIC INDOOR GROWING

Natural Growth Biostimulants, LLC  
Trial Data and Data Collection Standards Document  
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## GROW ENVIRONMENT:

I use hydroponic ebb and flow systems for both vegetative and bloom growth. Each room is fed 4 times a day for 45 minutes from a 50 gallon reservoir. Vegetative growth gets 18 hours of light per day, and in bloom they get 12 hours of light per day. Everything is now LED. I grow a total of up to 72 plants at one time.

## TRIAL - PROTOCOL

I changed out the 50 gallons on that first room and began trials of 50, 75, 100, and 125 and finally settled on 125 ml per 50 gallons as the amount I felt comfortable would not foam and overflow or gum up the system too bad. There seems to be a lot of sugar or something in ULTRA and it does a good job of gumming up the reservoir and the pumps. Typically I avoid sugars until later in the plants life. It is this reason I stayed with that number hitting them with 125ml once in veg, and twice in bloom, 30 days apart on each application.

## CONCLUSIONS:

Overall, there was a 17% increase in dried, per-plant yield when comparing the 6 rooms using ULTRA with my previous 20 that did not use it. The 6 rooms that used ULTRA outperformed my best 6 non-ULTRA rooms per-plant average by a full 11%.

The answer as to why I saw increased yields truly appeared during trim time. When we trim, we use the same containers to place the trimmed product in. These containers, when full, would hold roughly 8 ounces of product. Over the first 20 rooms, when a container was full, I knew it was right around 8 ounces without weighing it. However, that same container started to weigh more when ULTRA was used. Since volume was the same, and the ULTRA rooms made the containers weigh often an ounce more, I realized that I was getting boosted growth due to ULTRA, and it was coming in the best place possible...the flowers in the form of heavier, denser buds.

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