

ARVUM PLANT LABS

RAPID LEAF TISSUE NUTRIENT ANALYSIS

CASE STUDY:

How Agricultural Testing Transformed a Cannabis Cultivator's Harvest Yield

TLDR: A cannabis cultivator with a high-tech facility worked with Arvum Plant Labs to increase harvest yields. They commissioned a full battery of agricultural tests and found that they had inconsistent water quality, biofilm build-up in the irrigation lines, and hop latent viroid in several cultivars. Once they addressed these issues their yields greatly improved. If you're a cannabis cultivator you should be using agricultural testing to maximize your cultivation's performance.

If you're a cannabis cultivator looking to increase your yield then this case study will probably be interesting to you. Let's take a look at how Arvum Plant Labs helped one cannabis cultivator improve their harvest yields by using a full battery of agricultural testing.

The Situation:

A high-tech cannabis cultivation facility with a dedicated team was looking to improve their yields. Even though it was a well-run operation the cultivator knew there had to be hidden areas of improvement waiting to be uncovered. So they called Arvum Plant Labs.

The Plan:

Together with the cultivator, Arvum Plant Labs devised a comprehensive testing program that examined almost every aspect of the facility's plant-touching inputs. The full testing battery of tests were plant nutrient analysis using leaf tissue, soil analysis, water testing (both well water and RO water), nutrient testing, run-off testing, microbial testing (bacterial, fungal, and viral), and hop latent viroid testing (HPLVD).

The Results:

This testing program provided the cultivator with a baseline analysis of their entire cultivation facility. It also revealed several areas that needed attention and paved the way for targeted improvements. Here are some of the key findings.

1. Inconsistent water quality - The tests uncovered inconsistencies in water quality. To address this, the cultivator initiated more frequent maintenance of their RO filters, ensuring a consistent and high-quality water supply.
2. Biofilm buildup in the irrigation lines - The presence of biofilm in irrigation lines led to an increase in harmful bacteria in the growing medium. To combat this, the cultivator started adding enzymes during plant irrigation, effectively reducing and eventually eliminating biofilm buildup. This simple step significantly improved overall plant health.

3. Hop latent viroid (HPLVD) infection - Several cultivars had HPLVD infection. The cultivator promptly eliminated or worked to eliminate infected plants, leading to a remarkable improvement in overall plant health.

Once these issues were addressed the results were impressive. During the next harvest the cultivator saw increased yields across all cultivars, thanks to the targeted improvements driven by the agricultural testing program.

The Story Continues:

So what happened next? To ensure continuous optimization of their plants' performance, the cultivator implemented a nutrient monitoring program through bi-weekly plant nutrient testing. This approach allowed them to continue to monitor and fine-tune their cultivation practices, ensuring that their plants thrived and their yields continued to soar.

The partnership between this cultivator and Arvum Plant Labs is a great example of how agricultural testing can help to improve yields for cannabis cultivators. By leveraging data and making informed decisions, this cultivator achieved remarkable success in their quest for improved yields.

If you're a cannabis cultivator looking to take your harvest to new heights, consider the invaluable insights that agricultural testing can provide. It's time to unlock the full potential of your cultivation operation and reap the rewards of data-driven cultivation practices. Get in touch today!

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