

ARVUM PLANT LABS

RAPID LEAF TISSUE NUTRIENT ANALYSIS

CASE STUDY:

Enhancing Quality - Transforming an Indoor Cultivation Facility in Southern California

TLDR: An indoor cultivation in southern California had great yields, but poor product quality. Arvum Plant Labs did a thorough plant nutrient analysis on several cultivars at various stages of growth and identified a recurring micronutrient deficiency. The cultivator implemented a target fertilization program using foliar applications to address the micronutrient deficiencies and saw great improvements in product quality over the previous harvest. If you're a cannabis cultivator and you're concerned about product quality or yield you should implement a plant nutrient analysis program to ensure you are not experiencing nutrient deficiencies.

The Situation:

An indoor cannabis cultivator located in the southern California desert was seeking to enhance the product quality. Despite the facility's impressive design and high yields, the cultivator was dissatisfied with the aroma and taste of their products. They contacted Arvum Plant Labs and asked them to perform a comprehensive analysis to come up with tailored solutions to improve the quality of their flower.

Identifying the Issue:

To begin the process, Arvum Plant Labs conducted an onsite visit and collected samples from various cultivars at different stages of growth. The plan was to investigate the nutrient levels of the plants to make sure that the plants were in the optimal ranges for each nutrient. This analysis revealed a common deficiency in micronutrient levels throughout the facility. Micronutrients play a crucial role in plant growth and development, and their deficiency can negatively impact the overall quality of the crops.

Designing a Solution:

Collaborating closely with the client, Arvum Plant Labs devised a program that involved bi-weekly plant nutrient testing and the application of nutritional foliar treatments to address the micronutrient deficiencies. Arvum recommended this solution because it offered a noninvasive method to address the specific nutrient deficiencies without requiring significant modifications to the existing fertilization programs or irrigation systems.

Immediate Results:

The impact of the implemented solution was almost immediate. With each subsequent harvest, the quality of the crops improved noticeably. The increase in quality was directly correlated with the improvement in micronutrient levels throughout

the plant's growth cycle. This positive outcome not only met the client's expectations but also enhanced the overall value of the harvested plants.

Conclusion:

The success story of this cultivation serves as a testament to the importance of identifying and addressing micronutrient deficiencies in indoor cultivation facilities. By conducting thorough plant nutrient analysis and implementing a targeted nutritional treatment program, the cultivator was able to significantly enhance the quality of their crops, ultimately leading to increased value.

If you're facing similar challenges in your indoor cultivation facility, it's crucial to consider the role of micronutrients and explore tailored solutions to optimize your crop quality. With the right expertise and a proactive approach, you too can achieve remarkable results and elevate the value of your harvest. Get in touch with Arvum Plant Labs to see how we can help.

Empowering Growers | Transforming Cultivation

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