

Rimrock Analytical Newsletter

June



New Technology

Now Offering Plant Sap Analysis

Plant sap analysis is a diagnostic technique used to assess the nutritional status of plants by examining the composition of their sap. The sap, a fluid found in the vascular system of plants, contains essential nutrients and other chemical compounds that reflect the plant's current physiological condition.

How It Works

1. **Sample Collection:** Fresh plant sap is extracted from the leaves or stems of plants. Typically, samples are taken from lower (mature) leaves upper (young) leaves and even roots.
2. **Laboratory Analysis:** The collected tissue samples are sent to a laboratory, where they undergo a series of tests to determine the concentrations of various nutrients such as nitrogen, phosphorus, potassium, and magnesium.
3. **Data Interpretation:** The nutrient levels are compared against each other and optimal standards for specific plant species and growth stages. This comparison helps identify deficiencies or excesses based on both the nutrient level and utilization/storage in the plant that could affect overall health and productivity.

Benefits for Growers

1. **Near Real-Time Nutrient Status:** Unlike traditional soil or tissue testing, sap analysis provides near real-time data on the nutrients available to plants, allowing for more timely and precise adjustments to fertilization programs.
2. **Improved Crop Management:** By understanding the exact nutritional needs of their crops, growers can optimize fertilizer application, reducing waste, cost and improving crop yields and quality.
3. **Early Problem Detection:** Sap analysis can detect nutrient imbalances before visible symptoms appear, enabling growers to address issues proactively and avoid potential losses.
4. **Sustainability:** By promoting efficient nutrient use, sap analysis helps reduce environmental impact, supporting more sustainable agricultural practices.

Testing Services

Use data to improve your Grow

Rimrock Analytical's mission is to empower and elevate our clients by providing accessible and accurate analytical data through our specialized genetic, molecular, and chemical testing services. We are driven by the belief that every client, regardless of their size or resources, deserves reliable and comprehensive insights to make informed decisions.

Plant sap analysis is another example where we're continuously adding to our service offerings providing growers access to cutting-edge analytics.

Use promo code "**First**" for 10% your first test!

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