PLANT TISSUE TESTING

Tissue Collection Services & Lab Analysis

Improve Yield Potential by Determining Nutrient Uptake in Plants

While soil testing is the cornerstone of nutrient management, soil testing alone does not offer a complete picture. Growing crops are an excellent indicator of how well a fertility program is working. Coupling plant tissue analysis with soil analysis provides customers with powerful insight to develop and maintain an effective fertility program for their operations.

Accurate results are possible only when carefully selected, representative plant material is submitted for analysis. Accurate sampling requires that select plant parts are collected at specific stages of plant development. Plant nutrient levels may be different for each variety, stage of development, management practice, growing area and environmental stress.

Advantages of Plant Tissue Testing

- Plant tissue testing offers a “snapshot in time” of the nutrient levels in plant tissue at the time of testing. Nutrient levels fluctuate during the growing season.
- Plant tissue analysis complements soil testing by measuring the nutrients actually being taken up by the plant.
- Secondary nutrients and micronutrients that may not be routinely measured in soils may be reliably measured in plants.
- Sampling plant tissue allows for diagnosis of nutrient problems, whether deficient, sufficient, excess, or toxic. The information may be used to adjust aspects of the current nutrient management plan, or to alter future plans.
- The nutrient concentration in a plant varies with the plant's age and the part of the plant sampled.
- If plant tissue analysis is to be meaningful, a minimum sample size of the correct plant part must be collected for the specific plant growth stage.
- Plant tissue analysis may also be used to fine-tune the current season's nutrient management program by applying foliar nutrient applications.

Test ID	Basic Plant Test Packages - Leaf & Petiole
P1	Phosphorus, Potassium, Magnesium, Calcium, Sulfur, Sodium, Aluminum, Iron, Manganese, Boron, Copper, Zinc
P2	Nitrogen (Total) plus elements in P1
P5	Nitrate-N plus elements in P1
P6	Nitrate-N plus elements in P2

Contact us for information & pricing