

PLANT TISSUE & SOIL ANALYSIS REMINDER!



Tissue testing is the backbone of any nutrition management plan for cranberry marshes. Taking routine tissue samples for analysis can detect low nutrient concentrations before visible symptoms or yield reduction occurs. Tissue testing can be used to predict the fertilizer needs of your crop, diagnose problems, and to evaluate the effectiveness of your fertilizer program. Taking tissue samples is easy. Three principles guide collecting tissue samples so that the information from the analysis is interpretable and relevant to the plantings where they were taken. The three principles are...

Sample at the right time

The correct time to collect cranberry tissue samples is in late summer to early fall, usually August 15 until September 15. Plants must be sampled at the proper point in time in order to correctly interpret the results.

Sample the correct plant part

The correct tissue to collect for cranberries is current season growth on both fruiting and non-fruiting uprights, not including fruit. Sampling a different plant part, will also lead to incorrect interpretations of the analysis.



Take a representative sample

A representative sample is collected by taking samples across an entire bed, not just in one corner or along one edge. Either begin at one corner and walk diagonally to the other corner, or walk a zig-zag pattern across a bed and collect 10-12 sub-samples as you go. Each sub-sample consists of 5-15 uprights. The sample should be representative of the planting because the results of the test can be no better than the sample sent in for analysis. The amount of tissue the lab actually tests is less than a teaspoon, so it is very important that the sample be characteristic of the bed. Don't sample diseased, damaged, insect infested

Continued on back →



AgSource
Laboratories

A Subsidiary of Cooperative Resources International

or abnormal tissue. If you suspect a nutrient related disorder, sample when you see symptoms. Submit a sample of abnormal appearing tissue along with a sample not showing the symptoms that is collected on the same day. By taking two samples, one from a normal area and one from an affected area you'll be able to compare the two and draw conclusions.

LABORATORY TURN-AROUND TIME

Once the samples arrive at our lab, they are dried down overnight and analyzed the next day. Results go out the same afternoon that samples are processed, or the next morning during peak seasons. Therefore, turn-around time is 24 hours (up to 48 hours in peak season) after the sample arrives at the lab.



The following are packages we have available for all cranberry growers:

- **SOIL ANALYSIS**

Cranberry Soil Test Package includes pH, pH Buffer Index, Organic Matter, Potassium, Phosphorus, Lime Requirement, Calcium, Magnesium, Cation Exchange Capacity, Zinc, Boron, Manganese, Sulfur, Copper, Iron and Soluble Salts. Additional Tests are Optional

**Other soil test packages can be customized according to individual grower needs.*

- **PLANT TISSUE ANALYSIS**

Cranberry Tissue Analysis includes Nitrogen, Phosphorus, Potassium, Calcium, Magnesium, Sulfur, Boron, Zinc, Manganese, Iron, Copper, Aluminum and Sodium

- **WATER ANALYSIS**

Cranberry Water Analysis includes a complete mineral and nutrient analysis and soluble salts.



**For more information, pricing and/or sampling supplies
(soil & tissue bags, sample submittal forms, etc.),
PLEASE CONTACT US.**

Roy Brodhagen
Soil Laboratory Manager

Chuck Bolte
NMP-GPS SUPERVISOR
CCA 30653

PROUD TO BE AN ASSOCIATE MEMBER OF THE WISCONSIN STATE CRANBERRY GROWERS ASSOCIATION

