

**WQL04 Maine State Supplement 2012-1**  
**Plant Tissue Testing and Analysis to Improve Nitrogen Management**

This activity entails testing plant tissues for Nitrogen (N). The University of Maine Analytical Lab can perform this testing. Contact them at 207-581-2917 with questions regarding plant tissue testing. <http://anlab.umesci.maine.edu/>. Use the General Analysis Request Form.

The producer may choose between monitoring the uptake of nitrogen and other nutrients during the growing season **or** for the following year, **and** to make necessary adjustments in nutrient applications.

**In-season tissue testing and analysis –**

See attachment “*Adaptive Nutrient Management*” and follow guidance. The producer will likely need to work with the University of Maine Cooperative Extension or a consultant to complete this strip replication process.

**OR**

**Plant tissue testing and analysis for the following year-**

Cornstalk Nitrate Testing is done late in the season and provides feedback on the amount of N used, which can be adjusted in subsequent years. See attached “*Penn State Agronomy Fact Sheet 70, Late Season Cornstalk Nitrate Test*” for sampling information.