

USE THIS FORM FOR PLANT NUTRIENT SAMPLE SUBMISSION FOR OTHER. See page 2 for sampling instructions and description of services.

Main contact:	Send copy to:	Method of receiving results <input type="checkbox"/> US Mail (please include \$2 per order for postage & handling) <input type="checkbox"/> E-mail Send copies to:
Name:	Name:	
Business Name:	Business Name:	
Street Address:	Street Address:	
City, State, and Zip	City, State, and Zip	
Phone:	Phone:	
E-mail address:	E-mail address:	

LAB # (Leave blank)	Sample ID (You create this)	Test requested	
		Standard (\$30) <input type="checkbox"/>	or Standard w/o N(\$22) <input type="checkbox"/>

Order Total \$ _____

<p><u>Sample Information</u> Crop, management, and soil information Date Sampled: _____ Crop: _____ Variety: _____ Rootstock: _____ Age: _____ (years) Spacing or population: _____ Vigor is: <input type="checkbox"/> poor <input type="checkbox"/> moderate <input type="checkbox"/> vigorous Lime: _____ tons/ac applied on: _____ (date) Fertilizer rate: _____ <input type="checkbox"/> lbs./tree <input type="checkbox"/> lbs./acre Application date(s): _____ Were foliar nutrients applied this season? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, list rate(s) and date(s) _____ Soil Series (if known): _____</p>	<p><u>Complete this section for problem diagnosis</u></p> <p>If leaves are discolored, does color variation occur: <input type="checkbox"/> along leaf margins <input type="checkbox"/> interveinal <input type="checkbox"/> in spots <input type="checkbox"/> over entire leaf</p> <p>Leaves first affected at shoot: <input type="checkbox"/> tip <input type="checkbox"/> base <input type="checkbox"/> over entire shoot</p> <p>Symptoms first seen: _____ (month & growth stage)</p> <p>Describe additional symptoms: _____ _____ _____</p>
---	--

Office Use Only	
Received	Due
Check#	PO#
Cash	

General Sampling Procedure:

For a routine evaluation of plant status, we compare nutrient levels to data collected in scientific literature. It is extremely important to collect samples at the growth stage and from the plant part for which plant nutritional data is available. **Contact the lab at 413-545-5304, or soiltest@umass.edu to learn growth stage or season and plant part to be collected for analysis.**

Samples should reflect areas with uniform management and soil type. Where differences occur within a block, sampling should be refined to represent these changes. Samples should represent only one cultivar, but should be collected from several different plants within the block.

When you suspect a nutrient deficiency, always attempt to collect one sample from plants in the affected area and a second sample from plants of the same variety in an area showing normal growth. This will allow for direct comparison of nutrient levels and may aid in diagnosing specific nutrient deficiencies.

When collecting tissue samples, avoid diseased or dead plant material, tissue damaged by equipment or insects, and plant tissue stressed by excessive heat, cold, or moisture.

After collecting your composite sample, rinse the tissue with clean water to remove pesticides, foliar applied nutrients, and soil particles. Place wet samples on a clean paper towel to dry. Once dry, carefully place sample in a **small paper bag labeled with your sample ID** and complete the submission form. Hand deliver or mail the sample, submission form, and a check or money order payable to UMass to the address listed at the top of this form.

Plant Nutrient Test Description & Fees

Standard Nutrient Test: \$30.00

A determination of the Total Tissue P, K, Ca, Mg, Zn, Cu, Mn, Fe, and B. Analysis by ICP Spectroscopy of acid wet digestion in Nitric Acid, Hydrochloric Acid, and Hydrogen Peroxide in a block digester. Also included, Total Nitrogen by catalytic combustion.

Standard Nutrient Test without Total Nitrogen: \$22.00

Same as standard tissue test but without Total Nitrogen.