

UMass Extension

CENTER FOR AGRICULTURE

Soil and Plant Nutrient Testing Laboratory

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website: <http://soiltest.umass.edu/>

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

Main contact:	Send copy to:	Method of receiving results <input type="checkbox"/> US Mail (please include \$2 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) or Standard w/o N (\$22)	
		<input type="checkbox"/>	<input type="checkbox"/>

Order Total \$ _____

<p>Sample Information 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>Complete this section for problem diagnosis 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 Leaves first affected <input type="checkbox"/> at shoot: <input type="checkbox"/> tip <input type="checkbox"/> base <input type="checkbox"/> over entire shoot Symptoms first seen: _____ (month & growth stage) Describe additional symptoms: _____ _____ _____</p>
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Check#	PO#
Cash	

Sampling Instructions:

For a routine evaluation of nutritional status, results will be compared with those from the scientific literature. It is extremely important that samples are collected at the growth stage and from the plant part for which plant nutritional data have been evaluated. Contact the lab at 413-545-5304, or by email at soiltest@umass.edu to learn growth stage/season and plant part to be collected for analysis

Samples collected should represent general conditions in terms of vigor, crop load, etc. For problem diagnosis, it is often helpful to collect and analyze separate samples from both affected and unaffected areas. This allows a direct comparison of nutrient levels and may aid in diagnosing specific nutrient deficiencies.

When collecting plant tissue samples you should avoid diseased or dead tissue; tissue that has been damaged by equipment or insects; tissue that has been stressed by excessive heat, cold, or moisture

Each tissue sample should consist of leaves collected from several plants in the area being sampled. Do not mix leaves from different varieties, soil conditions, vigor, or fruit load.

Thoroughly rinse leaves to remove pesticides, foliar applied nutrients, and soil particles. Place sample on clean paper to dry. Place air-dried sample in a small paper bag labeled with your sample ID and complete the submission form. Hand deliver or mail 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 Descriptions & Fees

Standard Nutrient Test: \$30.00

A determination of the Total Tissue P, K, Ca, Mg, Na, 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. Total Nitrogen is determined by catalytic combustion.

Standard Nutrient Test without Total Nitrogen: \$22.00

Same as standard tissue test but without Total Nitrogen