

Soil Testing for Healthy Plants

Are your plants getting the nutrition they need? Don't guess. Have your soil tested. Soil Testing provides results that allow you to apply treatments to your soil without overdoing any one amendment. Good environmental stewardship results from applying only the amount and type of nutrients you need. Whether you are beginning from scratch or have an existing landscape, are raising vegetables or maintaining a pasture, soil testing makes sense.

CALL US

At

(360) 779-5141



Your garden can look like this!

Taking a Soil Sample

- 1) Tools needed: a clean, stainless steel spoon or trowel, a clean bucket and a quart size plastic bag.
- 2) Select a representative sampling area. Areas of different soil type, topography and management history should be sampled separately. Avoid sampling unusual areas like wet areas or manure piles, unless you are specifically interested in that spot.
- 3) Scrape away the top organic material such as leaves and pine needles. Do not include grass if you are sampling a lawn. Dig down 6" to 9" or deeper if plant roots will extend further.
- 4) Place the soil in the bucket.
- 5) Repeat this 15-20 times within the sampling area you selected. Walking a zigzag pattern through the area, taking a sample at each point, usually provides a representative sample.
- 6) Thoroughly mix the soil in the bucket and transfer enough of the soil to fill the plastic bag half full. Seal the bag and label with the sample location.
- 7) Fill out the Soil Test Order Form included in this brochure or printed from our website <http://www.twisslabs.com>. **Do not** place the order form in the plastic bag with the sample.
- 8) Either mail the sample, use one of our courier stops for pickup or deliver it to our lab.
- 9) Please include payment with sample.
- 10) Call us at 360 779-5141 if you have any questions about taking a soil sample.



Twiss Labs

Twiss Analytical Laboratories, Inc.

Analytical and
Environmental Laboratories



Soil Fertility
Testing for Plant
Nutritional
Needs

Tel 360 779-5141

Soil Test Packages

Soil Test Packages

Maintenance Package—\$37.50

Includes Nitrate-nitrogen (N), Phosphorus (P), and Potassium (K). This package is useful in an existing landscape where soil pH is known and nutrient levels are needed for maintenance purposes. Recommendations would be specific to the types of existing plants.

Initial Soil Assessment—\$42.00

Includes Soil pH, Phosphorus (P), Potassium (K), Calcium, Magnesium, Lime Requirement and Organic Matter. This package is recommended when first establishing a landscape from native soil. The recommendations will provide the amount of lime or sulfur needed to adjust the pH to meet the needs of plants or turf, the amount of P and K to add for optimum growth and a comment about organic matter content.

Boron—\$22.50

(for berry growers)

\$18.00 if added to another test package

Micronutrients—\$55.00

(Fe, Mn, Cu, Zn)

\$40.00 if added to another test package

Diagnosis Package—\$32.50

Includes Soil pH, Soluble Salts and % fines and sand. These tests can give an indication of whether the problem is soil related or not. These tests provide information about three different soil problems. First, the soil pH may be wrong for the plant. Second, the soil can contain high salts that can cause burning and third, the soil structure can cause drainage problems, either too fast or too slow.

Soil Assessment Package—\$47.50

Includes Soil pH, Phosphorus (P), Potassium (K), Calcium, Magnesium, Lime Requirement, Electrical Conductivity, Sodium and Nitrate-nitrogen (N). This package should be used on soil that has had compost or manure amendments that could have contributed significant amounts of nitrogen. Not only will it provide the overall nutrient content of the soil, the electrical conductivity and sodium results will indicate any potential salt conditions. Organic Matter can be added to this package for the price listed below:

Organic Matter—\$18.00

Soil Test Order Form

Sample ID	Test name	Qty.	Price	Subtotal
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
Crop: _____				Order total: _____
Name _____				
Address _____				

Phone _____				
Method of Payment				
<input type="checkbox"/> Check				
<input type="checkbox"/> Bill Me				
<input type="checkbox"/> Visa				
<input type="checkbox"/> MasterCard				
Credit Card # _____			Exp. date _____	
Signature _____				

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