

# Soil Fertility Testing for Plant Nutritional Needs

Twiss Analytical Laboratories, Inc.

## Soil Testing for Healthy Plants

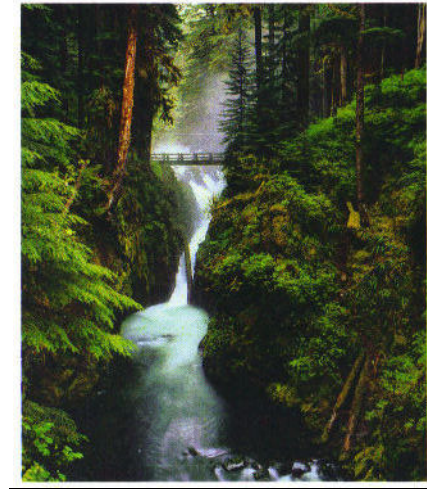
*Are your plants getting the nutrition they need? Don't guess. Have your soil tested. Soil Testing provides results that allow you to apply treatments to your soil without overdoing any one amendment. Good environmental stewardship results from applying only the amount and type of nutrients you need.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



*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 below. **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 (listed in our website), 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 Analytical Laboratories, Inc.  
26276 Twelve Trees Lane  
Suite C  
Poulsbo, WA 98370

Voice: (360) 779-5141  
Fax: (360) 779-5150

[custserv@twisslabs.com](mailto:custserv@twisslabs.com)

# Soil Fertility Testing for Plant Nutritional Needs

## Soil Test Packages

### Maintenance Package - \$35.00

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 - \$40.00

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 - \$22.00 (for berry growers)

\$18.00 if added to another test package

### Micronutrients - \$52.00

(Fe, Mn, Cu, Zn)  
\$40.00 if added to another test package

### Diagnosis Package - \$30.00

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 - \$45.00

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 - \$16.00

## Twiss Analytical Laboratories, Inc.

### Soil Test Order Form

Sample ID	Test name	Qty.	Price	Subtotal
-----------	-----------	------	-------	----------

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Order Total: \_\_\_\_\_

\_\_\_\_\_  
Name

\_\_\_\_\_  
Address

\_\_\_\_\_  
Phone

Method of Payment

- Check
- Bill Me
- Visa
- MasterCard

\_\_\_\_\_  
Credit Card Number

\_\_\_\_\_  
Exp. Date

\_\_\_\_\_  
Signature

Mail to: Twiss Analytical Laboratories, Inc.  
26276 Twelve Trees Lane Suite C  
Poulsbo, WA 98370