



Q-protect Soil Collection Instructions

Q-protect is a crop protection tool that detects the presence of organisms that cause infection, enabling producers to make informed risk management decisions. We test plant tissue and soil to determine the level of presence in your field prior to the onset of the disease. The information provided by Q-protect lets you know whether or not it is beneficial to apply treatment to your field or change crop variety or rotation.

These instructions are intended for the collection of soil samples for the test(s) indicated on the attached submission form.

SAMPLE COLLECTION

A shovel or garden trowel and pail are recommended for soil collection. Thoroughly clean and sanitize tools that come in contact with soil before using in another field. If possible, do not enter the field with a vehicle, if so, clean soil off before entering another field.

For *Aphanomyces/F. avenaceum*, it is recommended to collect samples from wet, low lying or compact areas. For Clubroot, it is recommended to collect samples near the field access location.

1. Select a site in your field for sample collection.
2. Clear away surface litter and:
 - for *Aphanomyces/F. avenaceum/Rhizoctonia* – make a hole about 4-8 inches deep and scoop up the soil from the bottom of the hole into a pail.
 - for Clubroot - collect a cup of soil from the top 4 inches of soil into a pail.
3. Travelling in a ‘W’ pattern, walk about 40-50 feet to the next point in the ‘W’ and collect another cup of soil into the pail.
4. Repeat collecting in a ‘W’ pattern until 5 cups of soil have been collected.
5. Mix the soil that is collected in the pail.
6. Transfer mixed soil to a medium sealable plastic bag until bag is about 2/3 full.
7. Complete the submission form included on the next page.
8. Send samples and completed submission form to Quantum Genetix.



Internal Use

SUBMISSION FORM

1. Check off requested test (price includes tax)				
<input type="checkbox"/> Aphanomyces	<input type="checkbox"/> Detect \$105.00	<input type="checkbox"/> Quantify \$157.50	<input type="checkbox"/> Root Rot	<input type="checkbox"/> Detect \$183.75
<input type="checkbox"/> F. avenaceum	<input type="checkbox"/> Detect \$105.00	<input type="checkbox"/> Quantify \$157.50	Complex	<input type="checkbox"/> Quantify \$262.50
<input type="checkbox"/> Rhizoctonia	<input type="checkbox"/> Detect \$105.00	<input type="checkbox"/> Quantify \$157.50		
<input type="checkbox"/> Clubroot	<input type="checkbox"/> Detect \$99.75			

2. Submitted by (please print clearly)

Name: _____

Address: _____

City: _____ Prov/State: _____ PC/Zip Code: _____

Phone: _____ Fax: _____

Email: _____

Also send results to:

Name: _____

Phone: _____ Fax: _____

Email: _____

3. Sample Information

Field Name: _____

Crop/Variety: _____ Soil Sample Root Sample

Collection Date: DD / MM / YYYY Lab ID (internal use) _____

4. Payment

Method: Cheque VISA Mastercard

Name on Card _____ Card # _____

Expiry _____ Signature _____

5. Shipping

Please send samples to the following address:

for Purolator

Quantum Genetix
HWY 16 E & Floral Rd
Route 203
Saskatoon SK S7K 3J8

for Canada Post

Quantum Genetix
Site 501 Comp 11
RR 5 Station Main
Saskatoon SK S7K 3J8

for FedEx

Quantum Genetix
HWY 16 E & Floral Rd
Saskatoon SK S7K 3J8



HWY 16 E & Floral Rd | Site 501 Comp 11 | RR 5 Station Main | Saskatoon SK S7K 3J8
P. 306.956.2071 F. 306.956.2066 E. dna@quantumgenetix.com