

PEI Analytical Laboratories

Soil Health Analysis

23 Innovation Way
Charlottetown, P.E.I. C1E 0B7

Request Form
www.princeedwardisland.ca/labservices

Farm/Client Name:		Contact Name:	PEIAL Client # or PEI Tax Exempt #	
Telephone #:		Cell Phone #:		
Client Mailing Address:			Preferred Method for Receiving Reports: <input type="checkbox"/> Mail <input type="checkbox"/> E-Mail <input type="checkbox"/> Fax	
Community/Province:			Client E-mail Address:	
Postal Code:			Client Fax #	
Bill To if different from above:			Additional Name to appear on Report (ie. For clients submitting 3 rd party samples)	
			Sampling Date:	Forward Results to Soil Health Specialist <input type="checkbox"/> Yes <input type="checkbox"/> No
Copy To:			Copy To E-Mail:	

Sample #	Field ID (Limit of 12 Characters)	Primary Cropping System (Required for result interpretations)	Tillage Depth	Past Yield	Amended with manure or other (excluding lime)?	Analysis Package
1		<input type="checkbox"/> Root Crops (potato, carrot, rutabaga) <input type="checkbox"/> Grains, Corn, Peas, Beans <input type="checkbox"/> Other Vegetables <input type="checkbox"/> Forage, Hay, & Pasture (long term) <input type="checkbox"/> Fruit & Berries	<input type="checkbox"/> No till <input type="checkbox"/> 1-7 inch <input type="checkbox"/> 7-9 inch <input type="checkbox"/> >9 inch	<input type="checkbox"/> Below Avg. <input type="checkbox"/> Average <input type="checkbox"/> Above Avg.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<div style="border: 1px solid black; background-color: #cccccc; padding: 5px; text-align: center;">Soil Accession #</div>
2		<input type="checkbox"/> Root Crops (potato, carrot, rutabaga) <input type="checkbox"/> Grains, Corn, Peas, Beans <input type="checkbox"/> Other Vegetables <input type="checkbox"/> Forage, Hay, & Pasture (long term) <input type="checkbox"/> Fruit & Berries	<input type="checkbox"/> No till <input type="checkbox"/> 1-7 inch <input type="checkbox"/> 7-9 inch <input type="checkbox"/> >9 inch	<input type="checkbox"/> Below Avg. <input type="checkbox"/> Average <input type="checkbox"/> Above Avg.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<div style="border: 1px solid black; background-color: #cccccc; padding: 5px; text-align: center;">Soil Accession #</div>
3		<input type="checkbox"/> Root Crops (potato, carrot, rutabaga) <input type="checkbox"/> Grains, Corn, Peas, Beans <input type="checkbox"/> Other Vegetables <input type="checkbox"/> Forage, Hay, & Pasture (long term) <input type="checkbox"/> Fruit & Berries	<input type="checkbox"/> No till <input type="checkbox"/> 1-7 inch <input type="checkbox"/> 7-9 inch <input type="checkbox"/> >9 inch	<input type="checkbox"/> Below Avg. <input type="checkbox"/> Average <input type="checkbox"/> Above Avg.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<div style="border: 1px solid black; background-color: #cccccc; padding: 5px; text-align: center;">Soil Accession #</div>

See Reverse Side for Analysis Package and Fee Schedule

Date Rec'd:	# of Samples:	Info Page	Sample Rec'd by: Satisfactory Non-Satisfactory	Soil Health Accession #	Mail-out Ver./Date
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(Office Use Only)

Soil Health Analysis Fees

Packages*	Fees	
	Island Farmer**	Non-Farmer
SH1: Basic Soil Health Package Soil Respiration, Aggregate Stability, Active Carbon	\$35.45	\$70.89
SH2: Basic +N Package Soil Respiration, Aggregate Stability, Active Carbon, Total Nitrogen, Biological Nitrogen Availability	\$61.39	\$122.78
SH3: Detailed Soil Health package Soil Respiration, Aggregate Stability, Active Carbon, Total Nitrogen, Biological Nitrogen Availability, Soil Texture, Available Water Capacity	\$82.11	\$164.21

Individual tests***	Fees	
	Island Farmer**	Non-Farmer
SH99A: Active Carbon	\$12.82	\$25.63
SH99B: Wet Aggregate Stability	\$15.13	\$30.25
SH99C: Available Water Capacity	\$17.04	\$34.07
SH99D: Biological Nitrogen Availability	\$28.26	\$56.51
SH99E: Soil Respiration	\$11.33	\$22.66
SH99F: Texture	\$8.30	\$16.59
SH99G: Total Nitrogen	\$4.75	\$9.50
SH99I: Sample Prep	\$2.32	\$4.63

*Clients are encouraged to submit a separate **Detailed Soil Analysis (S3)** along with each Soil Health Package request to obtain a thorough soil health assessment. A separate report will be generated for S3 samples.

**Island Farmer is defined as an individual or company who is the holder of a valid Farmer Revenue Tax Exempt Permit as issued by the Provincial Treasurer.

***Samples requesting individual soil health tests are subject to an additional sample prep fee.

Soil Health Sampling Instructions:

1. Gently remove any plant material from the area chosen for sampling.
2. Dig a small hole (approx. 8" deep), maintaining a smooth "wall" along one side of the hole.
3. Remove a cross-section (or "soil slice") approximately 2" wide and 8" deep, using a shovel or spade. Try to maintain a 2" thickness of soil throughout the cross section.
4. Place soil cross-section into a clean container/pail.
5. Repeat steps 1-4 for the entire sampling area. Avoid areas that are unrepresentative of the field (i.e. wet holes, knolls, rocky areas, etc.). Combine all cross-sections to make one composite sample for analysis.
6. Mix all samples together, removing any plant residues, root tissues or rocks from soil sample.
7. Place approx. 4 cups of soil (to fill line) into a labelled soil health bag and approx. 2 cups of soil (to fill line) into a labelled soil nutrient bag.
Note: The soil nutrient bag is not required if only requesting soil health analyses.
8. Keep soil sample cool or refrigerated after collection. Do not freeze or allow sample to dry out. Deliver to the PEI Analytical Laboratory as soon as possible (preferably within 24 hours).

"Soil Health Sampling Instructions" are adapted from the **Comprehensive Assessment of Soil Health: The Cornell Framework Manual (3rd Edition, 2016)**.

Personal information on this form is collected under Section 31(c) of the *Freedom of Information and Protection Privacy Act* R.S.P.E.I. 1988, c. F-15.01 as it relates directly to and is necessary for the Laboratory services. This information may be disclosed in the event of regulatory requirements. If you have any questions about this collection of personal information, you may contact PEI Analytical Laboratories at 620-3300.