

## SIMILARITIES BETWEEN the MOST COMMONLY REQUESTED ANALYSES FORMER NBDAAF vs PEIAL

SOIL ANALYSIS		
Former NBDAAF Agricultural Lab	PEI Analytical Laboratories (See <a href="#">PEIAL</a> for current fees)	Comments
Basic Field Soil Package (This was NB's most recent S01 package.)	S2 Field Soil minus Organic Matter Package	This is the package that most NB producers will ask for, unless they also want organic matter. If "Crop" type is a forage, include whether <b>less than 50% legumes OR greater than or equal to 50% legumes</b> . This package includes nutrient and lime recommendations for the main NB crops as long as the crop to be grown is written on the sample submission form.
Soil Organic Matter	S99 e : Soil Organic Matter	Organic matter <u>is</u> included in PEI's S1 package (S1 does <u>not</u> include all micronutrients) and also in the S3 package (S3 <u>does</u> include all micronutrients). <b>NOTE:</b> Due to a different analysis method, PEI results for organic matter will be <b>higher</b> than DAAF methods.
Basic Field Soil Package PLUS soil organic matter	S3 Detailed Field Soil	The S3 package includes the full range of micronutrients <u>and</u> organic matter. It will include lime & nutrient recommendations for the main NB crops (specify crop to be grown). If S2 plus S99 e are requested separately, it will cost more than S3.
There was no recent equivalent in NB.	S1 Standard Field Soil Package	This package <u>will</u> provide organic matter but <u>not</u> the micronutrients. It will also provide lime and <b>basic</b> nutrient recommendations (i.e. N, P, K) for the main NB crops.
Electrical Conductivity	S99 a : Soluble Salt	See note in the PEIAL rates column if done <u>without</u> a package.
Soil Mechanical Analysis	This analysis is not provided by the PEI lab. If required for <b>cranberries</b> , use M9 Cranberry Soil.	Samples will be forward to the UNB Laboratory for Forest Soils & Environmental Quality.

Dry matter	F99 a, or M99 a : Dry Matter	
Soil Acidity Package	S99 d : pH (water and buffer)	You will <u>not</u> receive a lime / sulphur recommendation with this analysis. If desired, contact an Agrologist.
Greenhouse Media Package	S4 Greenhouse Soil	The S4 package does not include Cu, Zn, Fe, Mn, B or Mo.
<b>SOIL AMENDMENT ANALYSIS</b>		
<b>Former NBDAAF Agricultural Lab</b>	<b>PEI Analytical Laboratories (See <a href="#">PEIAL</a> for current fees)</b>	<b>Comments</b>
Basic Soil Amendment Package	M3 Standard Compost	M3 will also provide the C:N ratio.
Manure Package	M10 L Manure	M10 L = M4 PLUS M99 l (NH <sub>3</sub> -N) in order to include ammonia results.
Compost Germination Test	This test is not provided by PEIAL.	Contact the NBDAAF Soil Management Specialist (Pat Toner, 1-506-453-2108) if this test is required.
Neutralizing Value on Liming Material	Neutralizing Value (M99 f)	PEIAL has a Limestone package, M7, that includes all three of these analyses. It is cheaper to request M7 than the three others separately.
Sieve analysis on liming material	Sieve Analysis (M99 h)	
Ca and Mg on liming material	Ca & Mg (limestone) (M99 g)	
<b>SOLUTION ANALYSIS</b>		
<b>Former NBDAAF Agricultural Lab</b>	<b>PEI Analytical Laboratories (See <a href="#">PEIAL</a> for current fees)</b>	<b>Comments</b>
Water / Greenhouse Nutrient Solution Package	M6 Hydroponic Solutions	Note: The M2 Nutrient Solution package (\$12.00) will <u>not</u> provide Cu, Zn, Fe, Mn, B, S, Na or Cl. These elements <u>are</u> included in the M6 pkg.
<b>PLANT TISSUE ANALYSIS</b>		
<b>Former NBDAAF Agricultural Lab</b>	<b>PEI Analytical Laboratories (See <a href="#">PEIAL</a> for current fees)</b>	<b>Comments</b>
Basic Plant Tissue Package	T1 Standard Tissue	The T1 package does not normally include iron (Fe) or manganese (Mn). You may add these two elements to the T1 package at no extra charge by adding “ <b>plus Fe &amp; Mn</b> ” in the comments box, or the analysis package box, of the sample request form. <b>Total N OR NO<sub>3</sub>-N</b> is available in the T1 package. If you do not specify, then <b>Total N</b> will be done.

<b>LIVESTOCK FEED ANALYSIS</b>		
<b>Former NBDAAF Agricultural Lab</b>	<b>PEI Analytical Laboratories (See <a href="#">PEIAL</a> for current fees)</b>	<b>Comments</b>
Basic Feed Package	F1 Basic Feed	There are a number of livestock feed packages offered by the PEI lab to choose from. These packages may be cheaper than choosing several additional individual tests.
Basic Feed (milling protein) AND Hagberg Index (Falling Number)	See comments.	<p>If milling protein is required, specify “milling” when requesting the F1 Basic Feed package and a calculation will be made. The Hagberg Index is <u>not</u> offered by PEIAL.</p> <p>If the Hagberg Index / Falling Number value is required, please contact Peter Scott or Pat Toner, NBDAAF at 1-506-453-2108.</p>

**FOR ADDITIONAL INFORMATION SEE [www.gov.pe.ca/agriculture/labservices](http://www.gov.pe.ca/agriculture/labservices) or contact PEIAL at 1-902-620-3300.**