



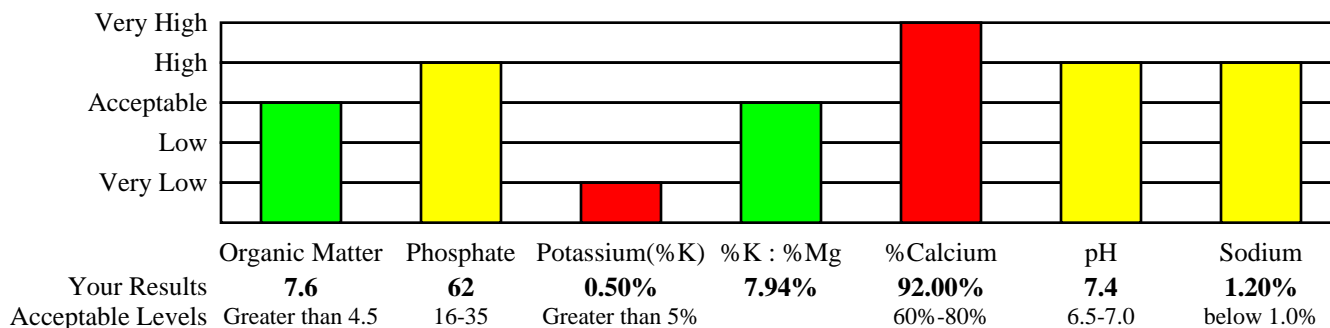
April 13, 2010

John Smith  
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London, ON  
N1N 1A1, CA

## Soil Test Analysis Report

Prescription Number: PHP5-202

Here are the results based on the soil samples you have provided to us.



### Glossary of terms

**Soil Structure indicates Clay soil (CEC value equals 24.6):** This influences the frequency and timing of fertilizer applications.

**Organic Matter is Acceptable:** Organic matter should be at a Normal or High level; however, should you choose to apply conventional blends this season and the organic matter is low, you are encouraged to consider the option labeled Natural Blend.

**Phosphate level is High:** Phosphate levels indicated will not hamper the effects of good turf growth.

**Potassium() level is Very Low:** Potassium is important in the development of root growth and overall plant hardiness for summer and winter stresses. It is strongly recommended that a supplemental source be applied to any base that shows a Low value. This is a key component of a successful fertilizer program.

**The Magnesium Ratio is Acceptable (%K:%Mg equals 7.94%):** We have calculated several reference points from your soil sample to produce this ratio. If the number is not 'acceptable', corrective measures are required to ensure good plant growth and colour.

**%Calcium level is Very High:** Low or High levels of Calcium are difficult to correct in lawns with current retail/commercial products. Calcium presents no real threat to good growth of turf grass.

**pH level is High:** pH defines the relative acidity or alkalinity of the soil. Soil that is too acidic or too alkaline will greatly reduce the availability of any fertilizer product to the plant.

**Sodium (salt) content is High:** High levels of sodium require attention and treatment to avoid poor turf grass health and elevated weed pressures within the lawn. If high, 'Gypsum' is required.

Please note that the program outlined on page 2, if applied properly, will deliver the nutrients necessary to greatly assist in the lawn's growth and health. The program is designed to increase drought resistance, reduce weed growth and insect damage. **It is important that a lawn should never be cut too short and that proper watering practices are adhered to.** This will ensure optimal success. Please visit our web-site [www.grass-roots.ca](http://www.grass-roots.ca) for any lawn care related tips, questions or comments.

John Smith, your property-specific requirement for the complete season is detailed below. Follow this precise recommendation until the next soil test. We recommend doing another soil test in 2 years.

Based on your estimate of 1,000 square feet, we recommend the following two primary options, one is conventional and the other is organic. Choosing one of these options will deliver the proper nutrients for the complete season.

**Please pick one of the two options: Conventional or Natural**

**Option 1 - Conventional Maintenance Fertilizer Program**

Conventional Blend: Your soil base requires 1.00-18kg bag(s) of CIL Golfgreen Fall #5024-172 fertilizer for the complete season. You will be applying fertilizer four times this season: Apply 0.25 bag(s) in early spring, 0.25 bag(s) in early summer, 0.25 bag(s) in late summer and 0.25 bag(s) in late fall. Each application will deliver quality nutrients evenly for approximately 6-8 weeks per application.

- OR -

**Option 2 - Natural Maintenance Fertilizer Program**

Natural Blend: Your soil base requires 2.00-7kg bag(s) of Natura 8 2 3 Product #5024-154 fertilizer for the complete season. You will be applying fertilizer four times this season: Apply 0.50 bag(s) in early spring, 0.50 bag(s) in early summer, 0.50 bag(s) in late summer and 0.50 bag(s) in late fall. Each application will deliver quality nutrients evenly for approximately 6-8 weeks per application.

**'Correctives' for Option One or Two**

The main purpose of the soil testing process is to scientifically evaluate the nutrient level of the soil base. We want to ensure that the plant material, whether lawn or garden, will have the best opportunity to grow to its full potential based on its nutrient level. **Should the lawn be imbalanced in pH, or have a deficiency in items such as: magnesium, organic matter or potassium, the turf grasses may not fully benefit from the fertilizer's nutrients; this is the purpose of 'corrective' fertilizer.**

**High Salt** content was found in your soil and it is strongly recommended that you apply Gypsum to your lawn; discuss this product at a garden center or farming supplier outlet closest to you.

Your Potassium(%K) level is too low. We recommend that you apply 0.25-20kgs bag(s) of KMag each time you apply the maintenance blend if option 1 used; or we recommend 0.25-20kgs bag(s) if you apply option 2. This product is available at your local store.

Your pH level was too high and requires adjustment. We recommend that you also buy 0.50-20kg bag(s) of the corrective blend 'pH Decreaser' and apply 0.25 bag(s) in May and 0.25 bag(s) in September. This product is available at your local store.

**Summary Of Products Needed**

	Product Name	Total Bags For Season	Bag(s) Per Application
Maintenance - Option 1	CIL Golfgreen Fall #5024-172	1	0.25
Maintenance - Option 2	Natura 8 2 3 Product #5024-154	2	0.50
Corrective - Low %K - Option 1	KMag	1	0.25
Corrective - Low %K - Option 2	KMag	1	0.25
Corrective - High pH	pH Decreaser	1	0.25
Corrective - High Salt	Gypsum		

