

Report # 377022

Agri-Food Web Guest Account - Example Topsoil Report

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Lab No.: 2430817

Sample ID: - A - Topsoil

Test Description	Analysis	Typical Guidelines	Within Range (Y/N)		
pH	7.43	5.5 - 7.5	Y	<p>The values in the Typical Guidelines are characteristic of a Sandy Loam to Loam topsoil. Your results are compared to these ranges in the Within Range column with Yes/No designation. Soil modification recommendations are made to amend non-conforming test values if possible.</p> <p>Increase soil organic matter content with sphagnum peat moss at 4 kg per cubic meter of topsoil. Up to 30% can be substituted with compost. Higher inclusion rates of compost may be used if the mineral content is known and adjustments are made to reflect that content in the fertility guidelines. Testing the compost as topsoil will provide the pertinent information.</p> <p>High levels of calcium and magnesium are typical of Ontario topsoil and pose no threat to plant growth.</p> <p>Soil Texture is a Clay Loam, a productive soil. However, refrain from moving this soil under saturated conditions to avoid compaction and smearing that will damage soil structure and decrease drainage. Mixing 90% of this soil with 10% coarse sand will adjust the texture to Loam.</p> <p>General Fertility Guidelines for Turf Grass: Before seeding or sodding, apply both 20-20-20 at 1.5 lbs, and 12-3-18 at 3 lbs per 1000 sq feet and incorporate into the rootzone. After establishment apply 21-7-7 with slow release nitrogen at 3 lbs per 1000 sq feet.</p> <p>General Fertility Guidelines for Nursery Stock: Apply 5-10-15 at an equivalent rate to supply 10 lbs per 1000 sq feet at the drip line of trees and incorporate to half rootball depth.</p> <p>Do not apply fertilizers containing high nitrogen after August. Do not apply weed n feed blends to gardens.</p>	
Organic Matter %	3.7	4 - 15	N		
Total Salts (mmhos/cm)	0.41	< 1.5	Y		
Phosphorus (ppm)	19.5	10 - 60	Y		
Potassium (ppm)	103.8	80 - 250	Y		
Calcium (ppm)	4325.9	1000 - 4000	N		
Magnesium (ppm)	361.1	100 - 300	N		
Chloride (ppm)	58.0	< 100	Y		
Sodium (ppm)	66.3	< 200	Y		
Sodium Absorption Ratio	0.3	< 15	Y		
CEC (MEQ/100g)	26.1				
Base Sat. K (%)	1.0				
Base Sat. Mg (%)	11.5				
Base Sat. Ca (%)	82.9				
Base Sat. H (%)	4.6				
Sand Fraction %	29.0	20 - 75	Y		
Silt Fraction %	44.0	5 - 50	Y		
Clay Fraction %	27.0	5 - 30	Y		
Texture	Clay Loam Loam/Sandy Loam				
Recommendations					
turf grass	N	P2O5	K2O	Mg	Lime (te/ha)
(lb/ac)	30	18	43		
(lb/1000 sq.ft)	0.70	0.42	1.00		
(kg/100 sq.m)	0.34	0.20	0.48		

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