SOIL TEST SAMPLE SHEET

ELEMENT OR CATEGORY	YOUR LEVEL	IDEAL LEVEL	NUTRIENT STATUS
			LOW / MEDIUM / HIGH
CEC	6.98		
TEC	7.66		
Paramagnetism	1700	200 +	
pH-level	6.40	6.3	
Organic Matter	2.76%	4 - 10%	
Conductivity	0.108 mS/cm	0.2 - 0.6 mS/cm	
Ca/Mg Ratio	7.82 :1	4.33:1	
Nitrate Nitrogen	8.5 ppm	10 - 20 ppm	
Ammonium Nitrogen	2.5 ppm	10 - 20 ppm	
Phosphorus	60 ppm	50 - 70 ppm	
Calcium	1186 ppm	996 ppm	
Magnesium	91 ppm	138 ppm	
Potassium	33 ppm	105 - 150 ppm	
Sodium	39 ppm	9 - 26 ppm	
Sulfur	17 ppm	30 - 50 ppm	
Aluminium	3 ppm	< 3 ppm	
Boron	0.39 ppm	1 - 3 ppm	
Iron	37 ppm	40 - 200 ppm	
Manganese	3 ppm	30 - 100 ppm	**Extremely Low**
Copper	0.9 ppm	2 - 7 ppm	
Zinc	0.5 ppm	5 - 10 ppm	**Extremely Low**
Molybdenum	0.01 ppm	0.4 - 0.7 ppm	**Extremely Low**
Cobalt	0.02 ppm	0.4 - 1.4 ppm	**Extremely Low**
BASE SATURATION			
(Levels are not really relevant in soils with a TEC below %)			
Calcium	77.73%	65.00%	
Magnesium	9.89%	15.00%	
Potassium	1.10%	3.50 - 5.00%	
Sodium	2.21%	0.50 - 1.50%	
Aluminium	0.43%	0.50%	
Hydrogen	9.00%	10.00%	
LA MOTTE / REAMS TEST			
Calcium	697 ppm	1000 - 2000 ppm	
Magnesium	56 ppm	140 - 285 ppm	
Phosphorus	0.7 ppm	80 - 100 ppm	**Extremely Low**
Potassium	22 ppm	80 - 100 ppm	

Explanatory Notes: The La Motte Test utilises a mild extraction solution which is a closer approximation to the gentle acids exuded by the plant roots and micro-organisms to solubilise minerals. The La Motte test measures the amount of immediately available plant food and it offers an indication of microbial activity - particularly fungal activity. It is fungi that are largely responsible for the stabilisation of calcium and phosphate with their acidic exudates.