

DATE: 2/12/13
 NAME: Joe Bloggs
 ADDRESS: C/- Ag-Plus
 PO Box 154
 BUNDABERG QLD 4670

LAND USE: Macadamia
 PADDOCK: Blue 8
 SAMPLE REC: 22/11/13
 CONTACT NO: 0429 112 225



ALBRECHT CATEGORY	YOUR LEVEL	IDEAL LEVEL	NUTRIENT STATUS		
			LOW	MEDIUM	HIGH
CEC	3.70				
TEC	5.53				
Paramagnetism	<10	200 +			
pH-level (1:5 water)	5.40	6.3			
Organic Matter (IR Gas Anal.)	2.14 %	4 - 10 %			
Organic Carbon	N/A	2 - 5 %			
Conductivity (1:2 water)	0.07 mS/cm	0.2 - 0.6 mS/cm			
Ca / Mg Ratio	3.82 :1	4.00 :1			
Nitrate-N (Morgan)	4.8 ppm	10 - 20 ppm			
Ammonium-N (Morgan)	11.0 ppm	10 - 20 ppm			
Phosphorus (Mehlich III)	71 ppm	50 - 70 ppm			
Calcium (Mehlich III)	514 ppm	707 ppm			
Magnesium (Mehlich III)	81 ppm	106 ppm			
Potassium (Mehlich III)	110 ppm	86 - 151 ppm			
Sodium (Mehlich III)	33 ppm	6 - 19 ppm			
Sulphur (Morgan)	28 ppm	30 - 50 ppm			
Chloride	N/A ppm	16 - 23 ppm			
Aluminium (Mehlich III)	3 ppm	< 3 ppm			
Silicon (CaCl ₂)	16 ppm	> 100 ppm			
Boron (Hot CaCl ₂)	0.81 ppm	1 - 3 ppm			
Iron (DTPA)	118 ppm	40 - 200 ppm			
Manganese (DTPA)	7 ppm	30 - 100 ppm			
Copper (DTPA)	1.8 ppm	2 - 7 ppm			
Zinc (DTPA)	7.4 ppm	5 - 10 ppm			
Molybdenum (Nitric Acid)	0.20 ppm	0.5 - 2 ppm			
Cobalt (Nitric Acid)	0.05 ppm	2 - 40 ppm	Extremely Low		
Selenium (Nitric Acid)	0.50 ppm	0.6 - 2 ppm			
Texture	Loam				
Colour	Brownish				
BASE SATURATION					
(Levels are not really relevant in soils with a TEC below 5)					
Calcium	46.50 %	64.00 %			
Magnesium	12.16 %	16.00 %			
Potassium	5.09 %	4.00 - 7.00 %			
Sodium	2.63 %	0.50 - 1.50 %			
Other Bases	0.00 %	5.00 %			
Aluminium	0.62 %	0.50 %			
Hydrogen	33.00 %	10.00 %			
LAMOTTE/REAMS CATEGORY	YOUR LEVEL	IDEAL LEVEL	NUTRIENT STATUS		
			LOW	MEDIUM	HIGH
Calcium	390.93 ppm	1000 - 2000 ppm			
Magnesium	60.975 ppm	140 - 285 ppm			
Phosphorus	8.35 ppm	20 - 80 ppm			
Potassium	88.65 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 gives an indication of the amount of plant available nutrients at the time of sampling.