

DATE: 8/08/2020  
 NAME: Joe Bloggs  
 ADDRESS: C/- Ag-Plus  
 PO Box 154  
 BUNDABERG QLD 4670

LAND USE: Macadamia  
 PADDOCK: A Block  
 SAMPLE REC: 31/07/2020  
 CONTACT NO: 0429 112 225



ALBRECHT CATEGORY	YOUR LEVEL	IDEAL LEVEL	NUTRIENT STATUS		
			LOW	MEDIUM	HIGH
CEC	1.99				
TEC	2.26				
Paramagnetism	60	200 +			
pH-level (1:5 water)	6.20	6.3			
Organic Matter (IR Gas Anal.)	1.34 %	4 - 10 %			
Organic Carbon	N/A	2 - 5 %			
Conductivity (1:2 water)	0.05 mS/cm	0.2 - 0.6 mS/cm			
Ca / Mg Ratio	4.73 :1	3.00 :1			
Nitrate-N (Morgan)	9.2 ppm	10 - 20 ppm			
Ammonium-N (Morgan)	28.7 ppm	10 - 20 ppm			
Phosphorus (Mehlich III)	75 ppm	50 - 70 ppm			
Calcium (Mehlich III)	300 ppm	496 ppm			
Magnesium (Mehlich III)	38 ppm	86 ppm			
Potassium (Mehlich III)	47 ppm	78 - 109 ppm			
Sodium (Mehlich III)	9 ppm	5 - 14 ppm			
Sulphur (Morgan)	6 ppm	30 - 50 ppm			
Chloride	N/A ppm	16 - 23 ppm			
Aluminium (Mehlich III)	1 ppm	< 2 ppm			
Silicon (CaCl <sub>2</sub> )	24 ppm	> 100 ppm			
Boron (Hot CaCl <sub>2</sub> )	0.45 ppm	1 - 3 ppm			
Iron (DTPA)	304 ppm	40 - 200 ppm			
Manganese (DTPA)	2 ppm	30 - 100 ppm	<b>Extremely Low</b>		
Copper (DTPA)	0.3 ppm	2 - 7 ppm			
Zinc (DTPA)	1.0 ppm	5 - 10 ppm			
Molybdenum (Nitric Acid)	N/A	0.5 - 2 ppm			
Cobalt (Nitric Acid)	N/A	2 - 40 ppm			
Selenium (Nitric Acid)	N/A	0.6 - 2 ppm			
Texture	Clay Loam				
Colour	Grey				
<b>BASE SATURATION</b>					
(Levels are not really relevant in soils with a TEC below 5)					
Calcium	66.38 %	62.00 %			
Magnesium	14.04 %	18.00 %			
Potassium	5.29 %	5.00 - 7.00 %			
Sodium	1.80 %	0.50 - 1.50 %			
Other Bases	0.00 %	5.00 %			
Aluminium	0.50 %	0.50 %			
Hydrogen	12.00 %	10.00 %			
LAMOTTE/REAMS CATEGORY	YOUR LEVEL	IDEAL LEVEL	NUTRIENT STATUS		
			LOW	MEDIUM	HIGH
Calcium	253.1 ppm	1000 - 2000 ppm			
Magnesium	32.69 ppm	140 - 285 ppm			
Phosphorus	11.4 ppm	20 - 80 ppm			
Potassium	67.85 ppm	80 - 100 ppm			
<b>Explanatory Notes:</b> 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.					