

Soil Analysis Report



*For Sustainable Balanced
Plant Nutrition and Soil Care*

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Name	n	Contact
Crop	Avocado	Area
Sample Date	22/MAY/08	Sample Block 1.1
Laboratory Reference	JA4285/1	
Report Date	05/JUN/08	

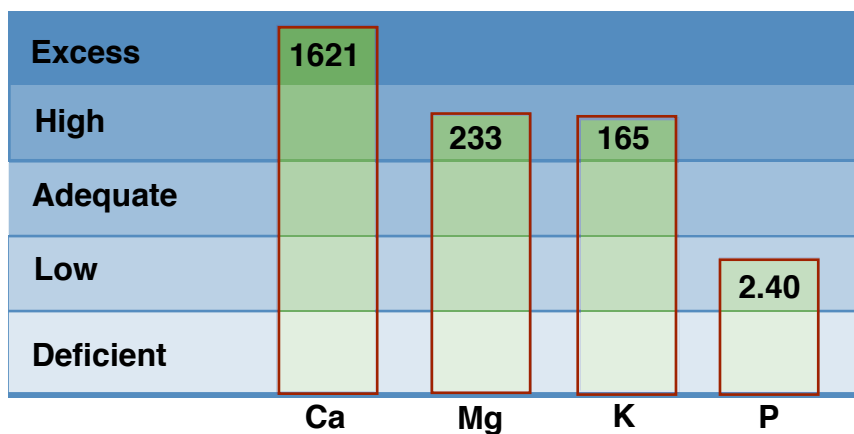
pH

Nutrient	Units	Result	Desirable Level	Comments
pH (1:5 water)	units	5.63	6.50	

This is a pH comment that is entered for testing purposes

Immediately Available

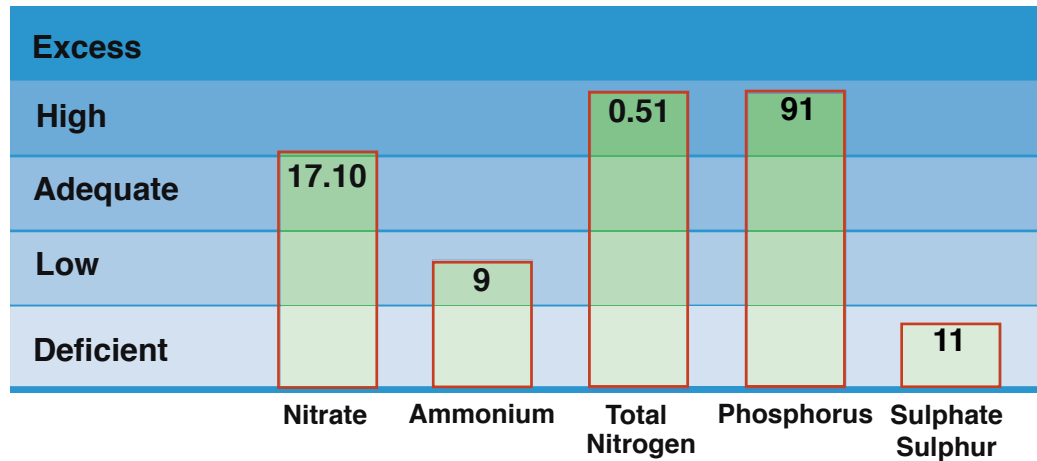
Nutrient	Units	Result	Desirable Level	Comments
Calcium	Ca ppm	1,621.00	750.00	
Magnesium	Mg ppm	233.00	105.00	
Potassium	K ppm	165.00	75.00	
Phosphorus (Morgan) P	P ppm	2.40	12.00	



Immediately Available Discussion

Nitrogen, Phosphorus and Sulphur

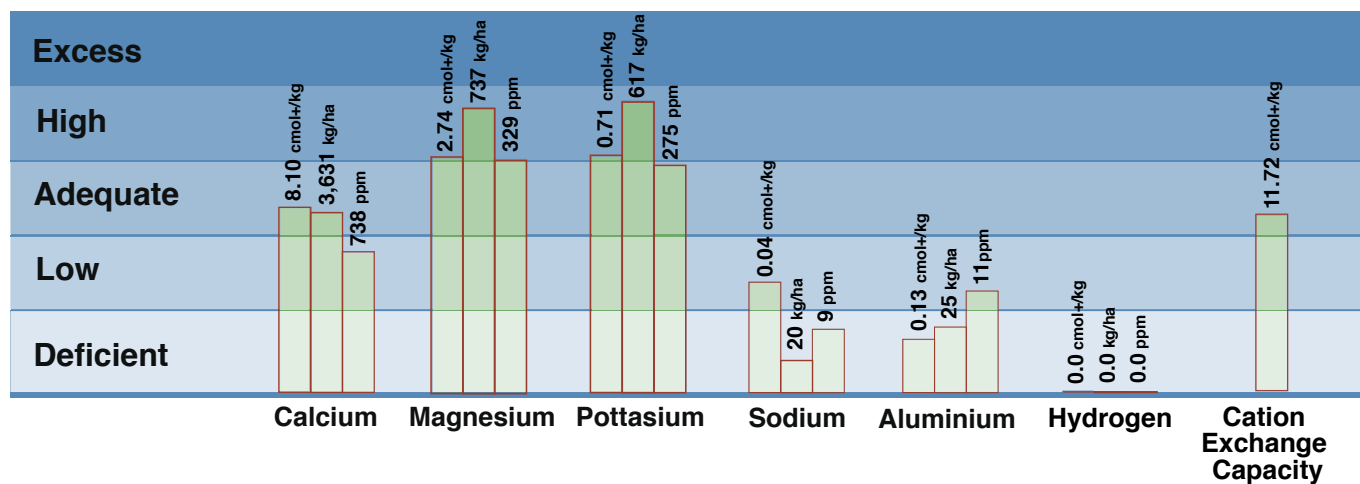
Nutrient	Units	Result	Desirable Level	Comments
Nitrate	N ppm	17.10	12.50	
Ammonium	N ppm	9.00	18.00	
Total Nitrogen	N %	0.51	0.25	
Phosphorus (Bray 2)	P ppm	91.00	60.00	
Sulphate Sulphur	S ppm	11.00	30.00	



Nitrogen, Phosphorus and Sulphur Comments

Exchangeable Cations

Nutrient	Units	Result	Desirable Level	Comments
Calcium	Ca	cmol+/kg	8.10	10.75
	Ca	kg/ha	3,631.00	4,816.00
	Ca	ppm	738.00	2,150.00
Magnesium	Mg	cmol+/kg	2.74	1.67
	Mg	kg/ha	737.00	448.00
	Mg	ppm	329.00	200.00
Potassium	K	cmol+/kg	0.71	0.49
	K	kg/ha	617.00	425.60
	K	ppm	275.00	190.00
Sodium	Na	cmol+/kg	0.04	0.26
	Na	kg/ha	20.00	133.95
	Na	ppm	9.00	59.80
Aluminium	Al	cmol+/kg	0.13	0.50
	Al	kg/ha	25.00	90.00
	Al	ppm	11.00	45.00
Hydrogen	H+	cmol+/kg	0.00	0.50
	H+	kg/ha	0.00	10.00
	H+	ppm	0.00	5.00
Cation Exchange Capacity	cmol+/kg	11.72	14.00	

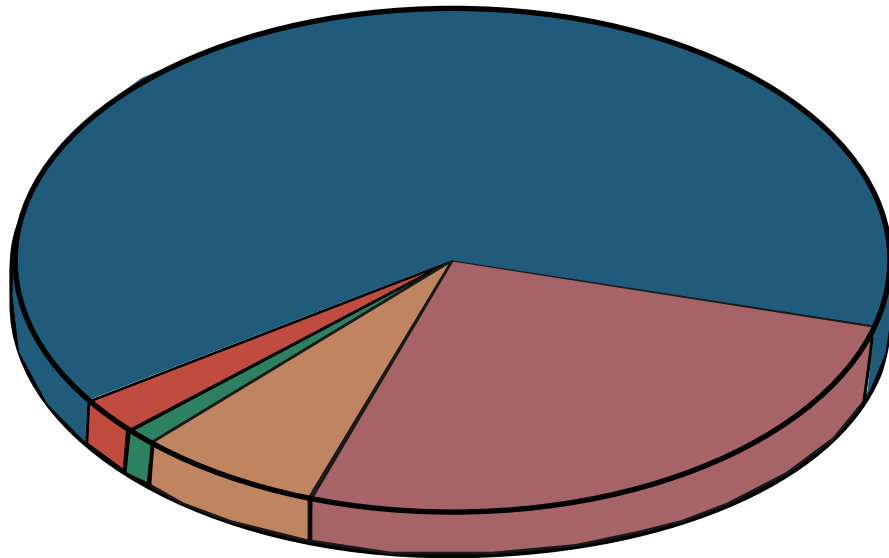


Exchangeable Cations Comments

Base Saturation

Nutrient		Units	Result	Desirable Level	Comments
Calcium	Ca	%	69.20	76.00	
Magnesium	Mg	%	23.40	12.00	
Potassium	K	%	6.00	3.50	
Sodium	Na	%	0.30	2.00	
Aluminium	Al	%	1.10	6.50	
Hydrogen	H ⁺	%	0.00		
Calcium/Magnesium ratio		ratio	2.96	6.33	

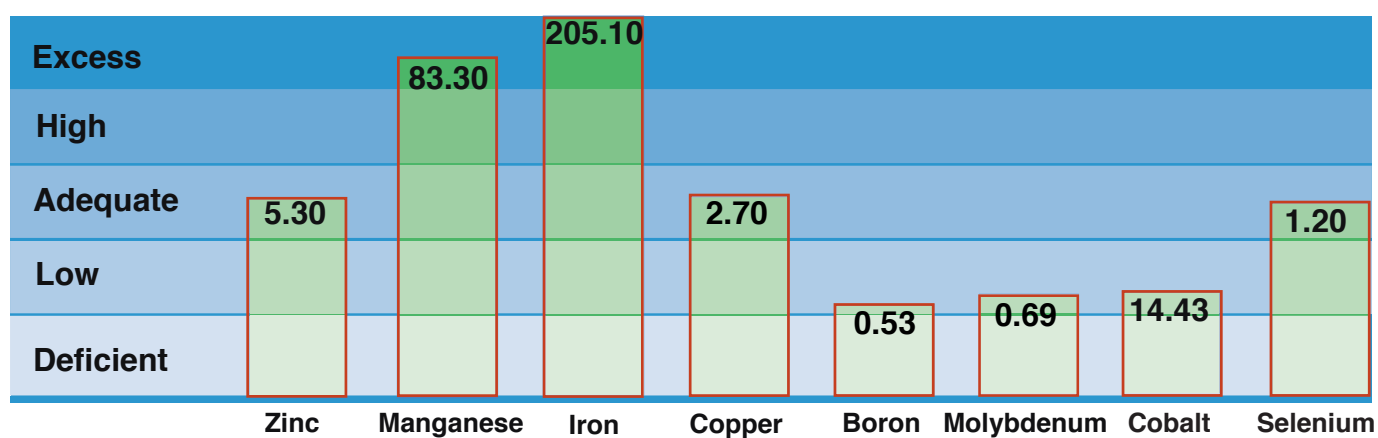
- Ca
- Mg
- K
- Na
- Al
- H



Base Saturation Comments

Trace Elements

Nutrient	Units	Result	Desirable Level	Comments
Zinc	Ca ppm	5.30	5.00	
Manganese	Mn ppm	83.80	22.00	
Iron	Fe ppm	205.10	22.00	
Copper	Cu ppm	2.70	2.00	
Boron	B ppm	0.53	1.70	
Molybdenum	Mo ppm	0.69	1.70	
Cobalt	Co ppm	14.43	30.00	
Selenium	Se ppm	1.20	1.50	



Trace Elements Comments

Beneficial Elements

Nutrient	Units	Result	Desirable Level	Comments
Silicon	Si ppm	50.23	45.00	

Beneficial Elements Comments

Organic matter

Nutrient	Units	Result	Desirable Level	Comments
Organic matter	%	9.32	4.50	
Total Carbon	C %	5.33	2.57	
Carbon/Nitrogen ratio	ratio	10.40	10-12	

Organic matter Comments

Texture

Nutrient	Result	Desirable Level	Comments
Texture t	Medium		
Colour c	Dark Brown		

Texture Comments

Salinity

Nutrient	Units	Result	Desirable Level	Comments
Conductivity (1:5 water)				
Chloride	Cl			
Sodium	Na			
Sodium Saturation	Na			

Salinity Comments