

Analysis Results (SOIL)

Customer GROWER **Distributor** PHOSYN ANALYTICAL PTY LTD
PO BOX 2594
BURLEIGH MDC
QLD
4220

Sample Ref INSIDE **Date Received** 22/10/2018 (Date Issued: 25/10/2018)

Sample No B106961A / SCE2536

Crop PASTURE

Analysis	Result	Guideline	Interpretation
pH [1:5 H2O]	6.6	5.8 - 8.0	Normal
pH [1:5 CaCl2]	5.5	5.2 - 7.4	Normal
Organic Matter (%)	2.2	3.0 - 8.0	Slightly Low
CEC (meq/100g)	4.22	12.00 - 40.00	Very Low
EC [1:5 H2O] (dS/m)	0.03	0.90 - 3.00	Very Low
NO3-N (ppm)	1.0	15.0 - 70.0	Very Low
NH4/N (ppm)	< 1.0		
Phosphorus [Olsen] (ppm)	24	20 - 70	Normal
Potassium[Am. Acet.] (meq/100g)	0.13	0.50 - 1.20	Low
Calcium[Am. Acet.] (meq/100g)	2.99	6.00 - 15.00	Low
Magnesium[Am. Acet.] (meq/100g)	0.99	1.00 - 4.50	Slightly Low
Sulphur [MCP] (ppm)	5	7 - 20	Slightly Low
Boron[CaCl2] (ppm)	0.2	1.0 - 5.0	Low
Copper [DTPA] (ppm)	0.3	2.5 - 20.0	Very Low
Iron [DTPA] (ppm)	58	5 - 120	Normal
Manganese [DTPA] (ppm)	1.4	5.0 - 60.0	Low
Zinc [DTPA] (ppm)	2.3	5.0 - 15.0	Low
Sodium[Am. Acet.] (meq/100g)	< 0.1	0.3 - 3.0	Very Low
Aluminium[KCl] (meq/100g)	0.04	1.00 - 2.50	Very Low
Chloride (ppm)	17	200 - 1100	Very Low
Ca base saturation (%)	70.8	50.0 - 75.0	Normal
K base saturation (%)	3.1	2.0 - 5.0	Normal

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Analysis	Result	Guideline	Interpretation
Mg base saturation (%)	23.5	5.0 - 15.0	High
Na base saturation (%)	1.6	1.0 - 2.0	Normal
Al base saturation (%)	1.00		
Ca:Mg Ratio	3.0	2.5 - 3.0	High
Texture	SANDY LOAM		
Colour	DARK BROWN		
Aluminium (ppm)	4.0		
Sodium (ppm)	< 18.4		
Calcium (ppm)	598.0		
Magnesium (ppm)	119.0		
Potassium (ppm)	51.0		
Lime Requirement (t/ha)	< 0.50		
PBI unadj	29.00		

Additional Comments

Soil analyses performed and reported on samples dried at 40°C and sieved to <2mm; Plant tissue analyses performed and reported on samples dried at 70°C and ground (NB/ Fruit, Fruitlet & Tuber reported on fresh weight basis)

Please Note

Whilst every care is taken to ensure that the Results from Analysis are as accurate as possible, it is important to note that the analysis relates to the sample received by the laboratory, and is representative only of that sample. No warranty is given by the laboratory that the Results from Analysis relates to any part of a field or growing area not covered by the sample received. It is important to ensure that any soil, leaf, silage or fruitlet sample sent for analysis is representative of the area requiring analysis and that samples are obtained in accordance with established sampling techniques. A leaflet containing instructions on how to take soil, leaf, herbage, silage and fruit samples for analysis is available from the laboratory on request.

This laboratory has been awarded a Certificate of Proficiency for specific soil and plant tissue analyses by the Australasian Soil and Plant Analysis Council (ASPAC). Tests for which proficiency has been demonstrated are highlighted in this report with an asterisk.

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Sample No	B106961A / SCE2536		
Crop	PASTURE		

Phosyn Analytical Pty Ltd - Lab Methods

Soil Analysis - Analysis performed on samples dried at 40°C and ground to <2mm	Method Code
Ammonium-N	03-S04
Boron (CaCl ₂) *	03-S08
CEC (Cation Exchange Capacity)	03-S06
Chloride	03-S04
Colour and Texture	03-S15
Phosphorus BSES *^	03-S12
Phosphorus Colwell *^	03-S13
Phosphorus Olsen *^	03-S11
PBI unadjusted *^	03-S14
EC (1:5 H ₂ O)	03-S02
Exchangeable Aluminium (1M KCl)	03-S10
Exchangeable Calcium (1M Ammonium Acetate) *	03-S06
Exchangeable Magnesium (1M Ammonium Acetate) *	03-S06
Exchangeable Potassium (1M Ammonium Acetate) *	03-S06
Exchangeable Sodium (1M Ammonium Acetate) *	03-S06
Extractable Copper (DTPA) *	03-S07
Extractable Iron (DTPA) *	03-S07
Extractable Manganese (DTPA) *	03-S07
Extractable Zinc (DTPA) *	03-S07
Extractable Sulphur (MCP) *	03-S09
Nitrate-N *	03-S04
Organic Matter *	03-S01
pH (1:5 CaCl ₂) *	03-S03
pH (1:5 H ₂ O) *^	03-S02
Total N ^	03-S16

Plant Analysis - Analysis performed on plant tissue dried at 70°C and ground	Method Code
Aluminium *^	03-P01
Boron *^	03-P01
Calcium *^	03-P01
Cobalt	03-P01
Copper	03-P01
Iron	03-P01
Magnesium *^	03-P01
Manganese	03-P01
Molybdenum	03-P01
Nitrogen *^	03-P02
Phosphorus *^	03-P01
Potassium *^	03-P01
Sodium	03-P01
Sulphur ^	03-P02
Zinc *	03-P01
Chloride	03-S04
Nitrate-N *	03-S04

1. ASPAC certified tests are demonstrated and highlighted with an asterisk (*); 2. NATA accredited tests are demonstrated and highlighted with a hat (^)