

## Analysis Results (SOIL)

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

**Sample Ref** **Date Received** 28/01/2013 ( Date Sampled: 25/01/2013 )  
**Sample No** A3579C / SAL####  
**Crop** PASTURE

Analysis	Result	Guideline	Interpretation
pH [1:5 H2O]*	5.3	5.8 - 8.0	Slightly Low
pH [1:5 CaCl2]	4.8	5.2 - 7.4	Slightly Low
Organic Matter (%)	7.6	3.0 - 8.0	Normal
CEC (meq/100g)	14.61	12.00 - 40.00	Normal
EC [1:5 H2O]* (dS/m)	0.17	0.90 - 3.00	Low
NO3-N* (ppm)	35.4	15.0 - 70.0	Normal
NH4-N (ppm)	4.4		
Phosphorus [Olsen]* (ppm)	8	20 - 70	Low
Potassium[Am. Acet.] (meq/100g)	0.68	0.50 - 1.20	Normal
Calcium[Am. Acet.]* (meq/100g)	9.99	6.00 - 15.00	Normal
Magnesium[Am. Acet.]* (meq/100g)	3.33	1.00 - 4.50	Normal
Sulphur [MCP]* (ppm)	17	7 - 20	Normal
Boron[CaCl2]* (ppm)	0.6	1.0 - 5.0	Slightly Low
Copper [DTPA] (ppm)	1.0	2.5 - 20.0	Low
Iron [DTPA] (ppm)	90	5 - 120	Normal
Manganese [DTPA] (ppm)	23.9	5.0 - 60.0	Normal
Zinc [DTPA] (ppm)	1.9	5.0 - 15.0	Low
Sodium[Am. Acet.] (meq/100g)	0.5	0.3 - 3.0	Normal
Aluminium[KCl] (meq/100g)	0.16	1.00 - 2.50	Low
Chloride* (ppm)	26	200 - 1100	Very Low
Ca base saturation (%)	68.4	50.0 - 75.0	Normal
K base saturation (%)	4.7	2.0 - 5.0	Normal
Mg base saturation (%)	22.8	5.0 - 15.0	High
Na base saturation* (%)	3.1	1.0 - 2.0	High
Al base saturation (%)	0.90		

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Ca:Mg Ratio	3.0	2.5 - 3.0	High
Texture	LOAM		
Colour	DARKBROW N		
Aluminium (ppm)	14.0		
Sodium (ppm)	713.0		
Calcium (ppm)	1998.0		
Magnesium (ppm)	403.0		
Potassium (ppm)	266.0		
Lime Requirement (t/ha)	< 0.50		
P Buffering Index*	50.00		

### Additional Comments

Aluminium (Al): 1 meq/100g equals 90 ppm Potassium (K): 1 meq/100g equals 390 ppm Sodium (Na): 1 meq/100g equals 230 ppm Magnesium (Mg): 1 meq/100g equals 120ppm Calcium (Ca): 1 meq/100g equals 200ppm You should consult your local agronomist before deciding upon any course of action based on this report.

### 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 report has been generated by Yara's Megalab™ software.

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.