



“It all starts from the soil...a complete reams soil analysis from Southern Soils reveals available nutrient levels, the first step to achieving balance within your soil and plants ”

REAMS SOIL ANALYSIS

The Reams analysis process uses weak acetic acid extraction methods to mimic the solutions found in the soil which are made up of plant, root, fungi and bacterial exudates. It is these solutions which facilitate mineral soil extraction and plant mineral uptake, which directly relates to plant growth and production.

This premium and comprehensive form of soil testing **establishes the levels of plant-available nutrients** within the soil in order to provide an instant picture of the state of the soil health and enable a more accurate diagnosis of nutrient requirements. The results are then used to establish a complete biologically-enhanced nutrition program to ensure crops and pastures receive the correct ratio of macro and micro elements to guarantee **increased soil health and production.**

Southern Soils uses an independent lab to complete all REAMS analysis. REAMS soil analysis is used (in conjunction with SAP tests in cropping situations) to develop complete balanced biologically-enhanced fertiliser programs.

REAMS SOIL ANALYSIS

Laboratory Results



Lab Report to: Southern Soils
 Sample Number: One Date: 17-Jan-12
 Location: Example Lab No: 8667
 Sample Submitted By: S Soils Sample No.11

	Recommended	Found	Desired Level
Total Nitrogen	mg/kg 20-35	20	
Phosphorus	mg/kg 150	130	
Potassium	mg/kg 100-200	112	
Calcium	mg/kg 1750+	1200	
Sulphur	mg/kg 10-20	8	
Magnesium	mg/kg 240	340	
pH 1:5 Water	units 6.5	5.6	
Boron	mg/kg 0.5-1	0.6	
Copper	mg/kg 2-3	0.7	
Zinc	mg/kg 3-4	1.5	
Manganese	mg/kg 10-25	9	
Molybdenum	mg/kg 0.1-0.2	0	
Cobalt	mg/kg 0.5-1.0	0.6	
Selenium	mg/kg 0.1-0.2	0	
Silica	Total % above 5	0.3	
Silica Plant Available	% above 1	0	
Iron	mg/kg 80	74	
Aluminium	% below 1	1.5	
Sodium	mg/kg below 120	69	
Conductivity	dS/m below 0.3	0.21	
Chloride	mg/kg below 80	30	
Soluble Salts	mg/kg below 100	55	
Nitrate Nitrogen	mg/kg	5	
Ammonium Nitrogen	mg/kg	6	
Paramagnetism	Reading 300	100	
CEC	8 - 20	9	
Calcium Magnesium Ratio	6 to 1	2.6	
Energy	200-600	400	
Organic Carbon	% 2-4	0.8	
Organic Matter	% 3-8	1.8	

Exchangeable Cations	7.69	Base Saturation	Levels Found
Calcium Meq/100g	4.35	Calcium	68
Magnesium Meq/100g	2.83	Magnesium	12
Potassium Meq/100g	0.21	Potassium	4
Sodium Meq/100g	0.3	Sodium	1
Hydrogen %	5.3	Hydrogen	12
Aluminium %	2.2	Aluminium	3

Total CEC Adjusted by Variables: 9
 Colour (munsell): Brown Orange.
 Texture and Structure: Fairly open. Needs to be opened and improved.
 Type: Clay Loam.

**CUSTOM
FERTILISER**

**BALANCED
AGRONOMY**

**MAXIMUM
RESULTS**

**Southern Soils
FERTILISER**
www.southernsoils.com.au

Get the only soil analysis developed specifically to show available nutrient levels in your soil...and get the only dedicated fertiliser made to balance the soil and increase plant production



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