

Multiple Analysis Profile

CLIENT: **Rivcow Environmental Pty Ltd**
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Attn: Glen Ellery



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PROJECT: Name: **Rivcow Standard Analysis**
 Location:
 SESL Quote N°: Client Job N°: Order N°:
 Date Received: **20/03/2009**

Sydney Environmental and Soil Laboratory

Specialists in Soil Chemistry, Agronomy and Contamination Assessments

SAMPLE: Batch N°: **9645** Sample N°: **1**
 Name: **Cow Manure 16/3/09**
 Test Type: **pH (4454), TN, LOI, MC, Report C:N ratio, [EL: TP, TK, HMS, B, Ca, Fe, Mg, Mn, Na, S]**

Tests are performed under a quality system certified as complying with ISO 9001: 2000. Results and conclusions assume that sampling is representative. This document shall not be reproduced except in full.

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| Analysis | Unit | Result | Kg/Ha |
|---|----------------------|--------|-------|
| Arsenic | mg/kg | <4 | |
| Cadmium | mg/kg | <0.5 | |
| Copper | mg/kg | 27 | 0.27 |
| Lead | mg/kg | 5 | |
| Zinc | mg/kg | 210 | 2.1 |
| Mercury | mg/kg | <0.1 | |
| Potassium | mg/kg | 18000 | 180 |
| Iron | mg/kg | 8300 | 83 |
| Manganese | mg/kg | 220 | 2.2 |
| Sodium | mg/kg | 13000 | 13 |
| Sulphur | mg/kg | 6500 | 65 |
| Phosphorus | mg/kg | 6100 | 61 |
| Boron | mg/kg | 18 | 0.18 |
| Calcium | mg/kg | 23000 | 230 |
| Magnesium | mg/kg | 8900 | 89 |
| Total Nitrogen (LECO) | % | 1.63 | 163 |
| pH In H ₂ O (1:1.5) (AS4454) | pH units | 8.1 | |
| Loss on Ignition (LOI) | % w/w Organic Matter | 42.40 | |
| Loss on Ignition (LOI) | % Organic Carbon | 24.23 | |
| Moisture Content (AS4454) | % w/w | 42.4 | |
| C : N ratio | - | 12.:1 | |
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Analysed by envirolab NATA # 2901 Report # 27519

Kg/ha rates have been calculated using a bulk density of 0.4kg/L, soil depth of 150mm and an application rate of cow manure at 10 tonnes of dry weight/ha.

No recommendations required by SESL.

Consultant: 
 Paul Looby

Authorised Signatory: 
 Murray Fraser

Date of Report
 02/04/2009