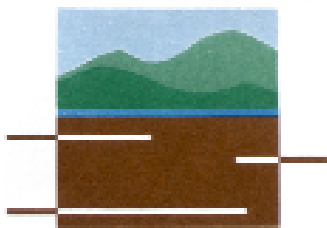


Cocopeat Profile

Test Type AS3743 - NDI asap
Sample Name Cocopeat 2001
Sample No. 61539
Date 08/06/2001
Client: Galuku Pty Ltd
Joe Davids
PO Box 253
Grosvenor Place
SYDNEY NSW 2000



**Sydney
Environmental and Soil
Laboratory**

Specialists in Soil Chemistry and Agronomy

Sydney Environmental
and Soil Laboratory Pty Ltd
(Inc in NSW)
ACN 002 825 569
16 Chilvers Road
Thornleigh NSW 2120
Australia
Address Mail to
PO Box 357
Pennant Hills NSW 2120
Telephone (02) 980 6554
Facsimile (02) 484 2427

Characteristic	Unit	Results:	Requirement		Comments
			Regular	Premium	
Air Filled Porosity	%	20.6	13	13	good
Wettability	min	1	5	2	
Total WHC	%	58.4	40	50	good
pH	pH units	5.8	5.3-6.5	5.3-6.5	OK
EC	dS/m	.56	2.2	2.2	Low - good
Toxicity Index	-	80	75	75	good
N-NH4	mg/l	1.7	100	100	OK
NH4 + NO3	mg/l	<5.0	NR	50	low in N - OK
N Drawdown index	-	1	0.2	0.7	good -no immobilisation
Phosphorus -PO4	mg/l	1.6	NR	8-40	of N
Potassium	mg/l	193.5	NR	50	low - OK
Sulfur-SO4	mg/l	2.9	NR	40	ample potassium
Calcium	mg/l	<8.0	50	80	low
Magnesium	mg/l	5.3	15	15	low
Ca/Mg ratio	-	0.9	1.5-10.0	2.0-10.0	low
K/Mg ratio	-	36.50	NR	1.0-7.0	low - needs calcium
Sodium	mg/l	87.4	130	100	high - needs magnesium
Chloride	mg/l	134.1	200	200	OK
Iron	mg/l	12.4	25	25	OK
Copper	mg/l	<0.4	0.4-15	0.4-15	low
Zinc	mg/l	1	0.3-10	0.3-10	low
Manganese	mg/l	2.4	1-15	1-20	OK
Boron	mg/l	0.06	0.02-0.65	0.02-0.65	OK

Summary and Recommendations

This material has very good physical properties (AFP & WHC) that would be suitable for incorporation into a potting media. The pH is also very good and does not need alterations at this stage. This material, if anything has a slight ability to supply the mix with nitrogen as the NDI is very good and is not consuming soluble N. Calcium, magnesium, iron and copper all fail, however being an ingredient for a mix, this is not a problem. All that needs to be added is a well balanced N:P:K:Ca:Mg:&T/E fertiliser either as a CRF or as a granular supply at batch formulation. There are no toxic nutrient levels, only quite low levels which can be easily amended. Do keep an eye on zinc, manganese and boron as they are all well within desired range, however are at the lower end of adequate and can be boosted.

Wet = Within the Error of the Test
Checked: by principal Simon Leake

Date of report: 08/06/01

Consultant: S.Flanagan

Method: AS3743-1996: