

COMPOST 'TOTALS' ANALYSIS REPORT

1 sample supplied by AgPlus on 26th September, 2013 - Lab Job No. C9064.

Analysis requested by Tim O'Dea.

				Sample 1	GUIDE
				Compost	<i>Typical</i>
				n/g	<i>Compost</i>
				AgPlus	<i>Nutrients</i>
	<i>Nutrient</i>		<i>Units</i>	<i>C9064/1</i>	<i>(average)</i>
Macronutrients	Nitrogen	N	%	1.84	2.0
	Phosphorus	P	%	1.17	0.5
	Potassium	K	%	1.49	0.8
	Sulphur	S	%	0.39	<0.5
	Carbon	C	%	27.3	>30
	Calcium	Ca	%	2.22	3.0
	Magnesium	Mg	%	0.80	0.5
	Sodium	Na	%	0.38	<0.2
Micronutrients	Copper	Cu	mg/kg	75	60
	Zinc	Zn	mg/kg	500	180
	Manganese	Mn	mg/kg	531	300
	Iron	Fe	mg/kg	11,917	12,000
	Boron	B	mg/kg	25	40
	Molybdenum	Mo	mg/kg	8.5	1.1
	Cobalt	Co	mg/kg	6	11.2
	Silicon	Si	mg/kg	2,089	1,200
Calculations	Nitrogen : Sulphur Ratio		units	4.7	<4
	Nitrogen : Phosphorus Ratio		units	1.6	4
	Nitrogen : Potassium Ratio		units	1.2	2
	Carbon : Nitrogen Ratio		units	14.8	<15
	Organic Matter		%	11.5	>50
	pH (1:5 water)		na	7.3	5.0 - 7.5
	Electrical Conductivity (1:5 water)		dS/m	6.3	No limit
	Moisture ^{see note 6}		%	22.8	> 25
Heavy Metals	Aluminium	Al	mg/kg	7,445	<5000
	Selenium	Se	mg/kg	0.9	2
	Cadmium	Cd	mg/kg	<0.5	<10
	Lead	Pb	mg/kg	5	<100
	Arsenic	As	mg/kg	<2	<50
	Chromium	Cr	mg/kg	10	<100
	Nickel	Ni	mg/kg	17	<50
	Mercury	Hg	mg/kg	<0.1	<5
	Silver	Ag	mg/kg	<1	<5
Pathogens	Ecoli		cfu/g	NIL	..
	Salmonella		cfu/g	Nil detected	..
AS 4454-2012	Toxicity		mm	4	>60

Notes:

- All analysis is dry weight - Samples dried at 40°C for 24hours prior to fine grinding
- Samples digested on a hotblock digester using Aqua Regia acid and read on the ICP-MS
- Carbon/ Nitrogen/ Sulfur measured using a LECO CNS2000 Analyser
- mg/Kg = ppm; 1% = 10,000ppm
- By Calculation:- Crude Protein = %N x 6.25
- Moisture based on sample dried at 105°C
- Nitrate/Ammonium/Chloride measured on a water extract.
- Organic Matter is %C x 1.75

