



Eastern Creek Operations Compost Information Sheet March 2011

Product: OGM (for Agriculture)

Product Classification: Pasteurized Soil Conditioner

Beneficial Properties

Total nitrogen	typically 1.5-1.7%
Phosphorus (as $P_2O_5^*$)	typically 0.5-1.0%
Potassium (as $K_2O^†$)	typically 0.7-1.1%
Magnesium	typically 0.2-0.3%
Calcium	typically 2.5-3.3%
Sulfur	typically ~0.3%
Water holding capacity	typically 75-200%

Physical Properties

pH	5-8.5, typically 6.0-8.0
Electrical conductivity (EC)	<12 mS/cm [‡] , typically 5-12 mS/cm
Moisture content	25-65%, typically 20-35%
Organic matter content	>25%, typically 55-60%
Particle size	>100% passing 16 mm
Bulk density	typically 400-600 kg/m ³
C:N ratio	typically 15-25

Chemical Contaminants

Arsenic	<20 mg/kg dry matter, typically <9 mg/kg
Cadmium	<3 mg/kg dry matter, typically <2 mg/kg
Chromium	<100 mg/kg dry matter, typically <70 mg/kg
Copper	<375 mg/kg dry matter, typically <200 mg/kg
Lead	<300 mg/kg dry matter, typically <250 mg/kg
Mercury	<4 mg/kg dry matter, typically <1 mg/kg
Nickel	<60 mg/kg dry matter, typically <30 mg/kg
Selenium	<5 mg/kg dry matter, typically <2 mg/kg
Zinc	<700 mg/kg dry matter, typically <500 mg/kg
Total DDT / DDD / DDE	<0.5 mg/kg, typically <0.2 mg/kg
Aldrin	<0.2 mg/kg
Dieldrin	<0.2 mg/kg
Chlordane	<0.2 mg/kg
Heptachlor	<0.2 mg/kg
HCB	<0.2 mg/kg
Lindane	<0.2 mg/kg
BHC	<0.2 mg/kg
PCB	<0.2 mg/kg for each individual PCB Arochlor

* Divide by 2.293 for phosphorus as P.

† Divide by 1.205 for potassium as K.

‡ Units: mS/cm \equiv dS/m



OGM
Organic Growth Medium



Physical Contaminants

Glass, metal & rigid plastic (>2 mm): <2.5%, current typically 1.5-2.5%

Light and film plastic (>5 mm): <0.25%, current typically 0.05-0.25%

Stones and other consolidated mineral contaminants (>5 mm) : <5%, typically <1%

Biological Contaminants

Weed seeds

< 5 viable propagules/L

AS 4454 Required Marking

- (a) pH reporting required if pH is outside the range of 5-7.5. All our results have pH values within that range.
- (b) Instructions for rate of application based on salinity: Application rate < 2.5 L/m² (16 tonnes/ha) for sensitive plants and <10 L/m² (64 tonnes/ha) for tolerant plants based on EC of 8-12 dS/m. The application rate is limited to 10 dry t/ha in "The organic outputs derived from mixed waste exemption 2010"
- (c) We do not claim the product is suitable for phosphorus sensitive plants.
- (d) We do not claim any contribution to plant nutrition for soluble nitrogen.
- (e) We do not claim any contribution to plant nutrition for total nitrogen.
- (f) No boron restrictions as level typically below 50 mg/kg.
- (g) No requirement for gypsum addition as sodium content < 1%.
- (h) This product is designed for use in applications that benefit from its nitrogen content and not for applications intolerant to nitrogen (e.g. seedlings).

This material is not suitable unblended for seedlings because of elevated nutrient levels as follows:

- (a) Ammonium nitrogen level >200 mg/L in extract

This product is designed to suit applications such as soil conditioners and soil blends.

Other Information

This product **meets CA-05** (business number CN 070).

<http://www.globalrenewables.com.au>

For sales enquiries contact:

Your local OGM representative:
Fertspreed on 1800 500 184

Changes since October 2010:		
Measurement	Old Value	New Value
Glass, metal & rigid plastic typical range	1.5-2.5%	1.0-2.0%
Light and film plastic typical maximum	0.25%	0.2%