

January 25, 2008

Kitsap E-Z Earth
P.O. Box 5030
Bremerton, WA 98312

Project: Organic Certification
Sample Date: Unknown

Work Order #: 83146
Sample Received: 1/4/08

Report on Analysis

Sample ID: #2 Normal
Lab No. 83146-01

Plant Nutrients

Parameter	Method	Results	Units	Date Analyzed
Nitrate-Nitrogen	KCl	1680	mg/kg	1/14/08
Organic Matter	LOI	62.1	% by wt	1/16/08
Total Kjeldahl Nitrogen	SM4500 N _{org}	3.00	% by wt	1/10/08
pH	Saturated Paste	8.46	pH units	1/25/08
EC	Saturated Paste	14.0	dS/m	1/11/08
C/N Ratio	calculation	12.0		1/24/08
Total Solids	SM 2540 G	61.1	%	1/9/08
E Coli	SM92223B	7	MPN/dry wt	1/4/08

Discussion

This vermicompost contains well beyond the required nutrients for the average plant and as such should not be used as a straight potting mix. Going only by the levels of nitrogen (N), this product could be used at a 1:100 ratio of product to soil and still contain an adequate nitrogen level. In other words, it is more like a fertilizer than a potting mix.

The soluble salts (EC) is very high in the straight product and would burn plants if they were placed in straight product, but dilution as stated above would reduce the EC by a factor of 100, bringing it to a low level.

A stable compost has a C:N ratio of 7:1 to 20:1 depending on the starting material. A C:N ratio greater than 20:1 may actually use nitrogen from the surrounding soil to which it is applied.

Thank you for the opportunity to help you prepare a 'healthy' product.

Nancy Parrott
Chemist

Approved for Release,

Steve Twiss
President

WDOE Accreditation #C1316

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