

## COMPOST CA

With respect to marketing, and in particular marketing of a bagged product, the compost must satisfy the federal fertilizers act. This includes criteria regarding quality and labelling. Any fertilizer product including compost that is publicly distributed must be registered under the fertilizer acts. The Guaranteed Analysis clause of Federal fertilizer Act is summarized below. Please refer to the Federal Fertilizer Act for complete marketing and labelling requirements.

### GUARANTEED ANALYSIS<sup>i</sup>

**15.** The guaranteed analysis of a fertilizer or a supplement shall include

(a) in respect of each fertilizer, the minimum amount of total nitrogen, available phosphoric acid and soluble potash expressed in per cent,

(b) in respect of each mixed fertilizer, other than customer-formula fertilizers and fertilizers represented for daily feeding and not for further dilution, the minimum amount of total nitrogen, available phosphoric acid and soluble potash expressed in per cent in whole numbers only,

(c) in respect of each fertilizer, the minimum amount of calcium, magnesium and sulphur expressed in per cent on the elemental basis,

(d) in respect of each fertilizer, the amount of each lesser plant nutrient, other than calcium, magnesium and sulphur, expressed in per cent on the elemental basis,

### Soil Conditioner Analysis

The following table provides a detailed analysis for the three soil conditioner products being produced.

**TABLE 1: COMPOST QUALITY**

Parameter	units	COMPOST		
		Keystone	Yard Waste	Airfield
Total nitrogen	%	1.14%	1.20%	1.38%
Available potassium	%	1.39%	0.84%	0.91%
Available phosphorous	%	0.23%	0.08%	0.28%
% Total carbon	%	23.28%	15.75%	22.30%
C/N ratio		11.6	11.2	13.2
Bulk density	T/cu.m	0.32	0.72	0.53
pH		8.2	7.5	7.3
Organic Matter	%	35.31%	24.03%	39.82%
% Moisture	%	38.59%	27.91%	43.47%
Calcium	%	0.015%	0.025%	0.015%
Magnesium	%	0.0089%	0.0075%	0.0064%
Sodium	%	0.31%	0.06%	0.17%
Chloride	%	0.85%	0.21%	0.44%
Sulfate	%	0.35%	0.13%	0.16%

Table 2 lists the Guaranteed Minimum Analysis as per the Federal Fertilizer Act based on the above data. However, as for each soil conditioner there is only two subsets of data, the listed “Guaranteed Minimum Analysis is not statistically valid. Additional samples of the soil conditioners are required. In addition, a complete micronutrient analysis of each product is required prior to marketing.

**TABLE 2: COMPOST LABELLING**

Product Name	Keystone 1-0-1	Yard Waste 1-0-0	Airfield 1-0-0
	Guaranteed Minimum Analysis		
Total Nitrogen (%)	0.9%	1.0%	1.0%
Available Phosphorous (%)	0.05%	0.00%	0.02%
Available Potassium (%)	0.9%	0.3%	0.5%
Calcium (%)	0.01%	0.02%	0.01%
Magnesium (%)	0.00%	0.00%	0.00%
Sulphur (%)	0.3%	0.1%	0.1%

Should you have any questions regarding the above or require further information please feel free to contact me at 403.675.1575.

Sincerely,



Curtis Navratil, P.Eng.  
LW Diamond Environmental Services



<sup>i</sup> Fertilizers Regulations, C.R.C., c. 666 Federal Fertilizers Act, December 31, 2003.

**FOR FURTHER SALES INFORMATION ON COMPOST CA  
PLEASE CONTACT US**

**204.726.3335**

or

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