

ANALYSIS REPORT FOR COMPOST

09/28/11

SOIL AND PLANT TISSUE TESTING LABORATORY
WEST EXPERIMENT STATION
UNIVERSITY OF MASSACHUSETTS
AMHERST, MA 01003

Lab Number: C110829-111
Bag Number: 103232

SAMPLE INFORMATION

HOLIDAY BROOK FARM/D. CRANE
100 HOLIDAY COTTAGE ROAD
DALTON, MA 01226

COMPOSTING METHOD:
AGE:
INTENDED USE:
COMPONENTS:

COMPOST ANALYSIS REPORT

SAMPLE ID: SCREENED COMPOST

Moisture As Received: 56.7 %
Moist Bulk Density: 0.76 grams/cm3 (0.64 tons/yd3)
Coarse Fragments: 24.2

pH (v:v): 7.5
Soluble Salts (Elec. Cond.): 1.83 dS/M

Total Nitrogen: 1.54 % (8.5 lbs/yd3)
Nitrate-N: 52 mg/kg (0.03 lbs/yd3)
Ammonium-N: 0 mg/kg (0.00 lbs/yd3)

Organic Matter: 30.1 %
Estimated Organic Carbon: 16.3 %
Carbon/Nitrogen Ratio: 10.6

NUTRIENT RATING

NUTRIENT LEVELS: PPM	LOW	MEDIUM	HIGH	VERY HIGH
Phosphorus (P) 365	XXXXXXXXXXXXXXXXXXXXXXXXXXXX			
Potassium (K) 3303	XXXXXXXXXXXXXXXXXXXXXXXXXXXX			
Calcium (Ca) 5050	XXXXXXXXXX			
Magnesium (Mg) 1077	XXXXXXXXXXXX			

EQUIVALENT BASE CATION PERCENTAGES
Ca =59.4 Mg =20.8 K =19.9

POTENTIAL ACIDITY
0.0 lbs CaCO3/yd3

EXTRACTABLE MICRONUTRIENTS

MICRONUTRIENT	mg/kg	COMPOST RANGE
Boron (B)	3.7	(0.5-20)
Manganese (Mn)	11.4	(5-200)
Zinc (Zn)	3.7	(5-50)
Copper (Cu)	1.3	(0.5-5)
Iron (Fe)	7.0	(5-200)

EXTRACTABLE HEAVY METALS

METAL	mg/kg	COMPOST RANGE
Lead (Pb)	1.8	(0-25)
Cadmium (Cd)	0.1	(0-1.0)
Nickel (Ni)	0.1	(0-2.5)
Chromium (Cr)	0.1	(0-2.5)

Consult enclosed interpretation sheet. Questions may be directed to either Frank Mangan (Extension Specialist) at (508) 254-3331 or the UMass Soil Lab at (413)545-2311