



YCUA Biosolids Compost Product Data

<i>Constituent</i>	<i>National Guidelines</i>	<i>YCUA Compost Range*</i>	<i>YCUA Compost Average</i>
pH	5.5 to 8.5	7.04 - 7.58	7.30
% Organic matter	n/a	36.9% - 74.85%	49.71%
% Total solids	n/a	56.84% - 77.9%	67.59%
Bulk density	n/a	486 - 846 lb/cy	683 lb/cy
Soluble salts	0.5-4.5 mmhos/cm	2.51 - 4.90 mmhos/cm	3.67 mmhos/cm
SOUR	<1.5 mg O ₂ /g/hr	0.00 - 0.70	.11 (very mature)
Inerts	<1.5% on <4 mm	0 %	0 %
C:N ratio	~21	8:1 - 28:1	19

<i>Nutrient (mg/kg or ppm)</i>	<i>YCUA Compost Range</i>	<i>YCUA Compost Average</i>
Total Kjeldahl Nitrogen,TKN	1,600 -4,900	3,174
Nitrate Nitrogen	57 - 700	143
Ammonium Nitrogen	1,100-3,100	1,960
Organic Nitrogen	2,310- 5,010	1,332
Calcium	8,100 - 90,000	55,433
Potassium	10 - 4,100	1,917
Phosphorous	330 - 27,000	10,280

<i>Metals (mg/kg or ppm)</i>	<i>EPA 40 CFR Part 503 EQ Standards</i>	<i>YCUA Compost Average</i>
Arsenic	41	3.8
Cadmium	39	13.7
Chromium	1200	169
Cobalt	n/a	3.3
Copper	1500	214
Lead	300	20
Mercury	17	.55
Molybdenum	18	15
Nickel	420	18
Selenium	36	.99
Silver	n/a	12
Zinc	2800	773

* YCUA Biosolids Compost Range and Average from Trials #1 - #8 of a 10-trial pilot program.

** n/a: not applicable

Hundreds of additional tests on product quality have been conducted to measure nutrient content, phytotoxicity, contaminants, pathogens, volatile organic compounds and other parameters. Detailed product data sheets are available from Resource Recycling Systems, Inc. 734-996-1361