

COMPOST PROFICIENCY TESTING PROGRAM EXAMPLE REPORT

Sample Identification Number		Reporting Lab Identification Number
↓		↓
Sample CAP 99 - I	1999 Exchange	Reporting Date
		↓
		August 12, 1999

Analysis	No.	Min	Max	Median	MAD	R _d (%)	Lab ID 25			R _p (%)	Lab Mean ¹
							C99 -01	C99 -02	C99-03		
Dry Matter Content (%)	33	88.1	98.2	89.3	0.40	0.41	90.2	89.4	89.5	0.5	89.7

Saturated Paste Constituents											
pH (Unit)	33	6.95	7.80	7.63	0.13	0.15	7.95	8.05	7.97	0.7	7.99 * H
ECe (dS/m)	30	2.8	17.5	11.8	0.7	2.4	11.8	11.9	12.1	1.4	11.9
Ca (mmolc/L)	24	16.0	37.6	31.5	1.7	2.7	17.3	16.6	16.3	3.1	16.7

Number of Reported Results → 24

Minimum Value Reported → 16.0

Maximum Value Reported → 37.6

Median and Median Absolute Deviation (MAD) of all Reported Data → 31.5, 1.7

Reproducibility across labs, Median → 2.7

Reported Lab Values → 17.3, 16.6, 16.3

Repeatability Within the Lab → 3.1

Mean Reported Lab Value → 16.7

Mean Reported Value Exceeds Upper Warning Limit → 7.99

[@] Median Absolute Deviation (MAD) described in: Statistical sub-committee to the Analytical Methods Committee. 1989. Robust statistics - How not to reject outliers, Part 1 Basic Concepts. Analyst. 114:1693-1697.

¹ Values reported as "<" are recorded as a null value. In specific instances a reporting laboratory is contacted for verification of reported values. Warning Limits are established based on $\pm 2.5 \times (\text{MAD})$ from the median. The mean reported value by an individual laboratory, based on three reps exceeding warning limits units are noted with "*" and labeled with an L or H signifying whether a reported value was lower or higher than the median