



**2007 North American Proficiency Testing Program
1st Quarter Report - May 14, 2007**

Laboratory ID

Plant Analysis	Units	n	Plant 2007-201			Plant 2007-202			Plant 2007-203		
			Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}
Dry Matter (%)	%	33	94.6	0.55		90.0	0.75		94.4	0.90	
NO3 - N Cd Rd.	mg/kg	31	27.0	14.3		507	50.5		5298	338	
NO3 - N ISE	mg/kg	7	134	54.0		798	125		6112	778	
NO3 - N Oth.	mg/kg	4	34.3	22.6		506	200		5142	162	
NH4-N	mg/kg	5	55.5	27.9		630	222		884	471	
PO4 - P	mg/kg	18	749	63.5		3090	161		8652	581	
SO4 - S	mg/kg	9	2014	435		1218	167		2258	571	
Cl	%	22	0.270	0.046		0.218	0.048		0.345	0.045	
TKN	%	23	2.29	0.095		0.870	0.050		6.00	0.402	
N- Dry Comb.	%	51	2.35	0.090		0.890	0.050		6.37	0.250	
S- Dry Comb.	%	14	0.330	0.043		0.150	0.040		0.490	0.070	
Nitric / Perchloric											
P	%	32	0.160	0.010		0.375	0.025		1.16	0.042	
K	%	32	1.16	0.051		2.90	0.124		4.08	0.160	
Ca	%	33	1.52	0.061		1.70	0.090		1.24	0.058	
Mg	%	33	0.470	0.020		0.620	0.038		0.600	0.020	
S	%	32	0.320	0.012		0.150	0.010		0.472	0.018	
Na	%	23	0.010	0.007		0.032	0.004		0.010	0.004	
Al	mg/kg	13	44.9	9.14		91.0	14.65		25.3	14.3	
B	mg/kg	28	33.3	1.86		41.5	3.18		30.9	1.49	
Zn	mg/kg	33	32.0	1.95		62.8	4.70		86.0	3.74	
Mn	mg/kg	33	89.2	3.80		152	7.5		89.2	3.22	
Fe	mg/kg	33	119	5.40		107	10.0		141	8.64	
Cu	mg/kg	33	8.18	0.66		13.4	1.30		22.0	0.83	
Mo	mg/kg	8	0.245	0.208		0.100	0.100		0.100	0.100	

1 - Values flagged exceed Warning Limits " * " 2.5 x MAD (Median Absolute Deviation) and Control Limits " ** " 4 x MAD. "<" and "ND" values not recorded.

2 - Limits not compared to lab data for methods with < 7 labs reporting.



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Nitric / Perchloric- MICROWAVE											
P	%	17	0.162	0.008		0.379	0.034		1.14	0.099	
K	%	17	1.14	0.041		2.92	0.100		3.93	0.209	
Ca	%	17	1.51	0.060		1.76	0.070		1.23	0.070	
Mg	%	17	0.460	0.030		0.620	0.028		0.600	0.027	
S	%	16	0.317	0.015		0.151	0.010		0.470	0.040	
Na	%	14	0.006	0.004		0.032	0.003		0.008	0.002	
Al	mg/kg	14	45.0	11.7		113	30.1		13.8	5.82	
B	mg/kg	16	34.4	3.25		43.9	3.60		32.6	3.18	
Zn	mg/kg	17	32.6	1.61		60.2	5.20		82.3	7.55	
Mn	mg/kg	17	89.9	4.50		159	9.30		89.5	6.27	
Fe	mg/kg	17	125	8.42		110	15.0		141	7.4	
Cu	mg/kg	16	8.01	0.60		14.0	1.20		23.0	1.03	
Mo	mg/kg	5	0.440	0.330		0.330	0.232		0.270	0.140	
Dry Ash											
P	%	26	0.160	0.005		0.370	0.010		1.14	0.045	
K	%	26	1.13	0.040		2.82	0.125		3.96	0.150	
Ca	%	26	1.48	0.059		1.69	0.061		1.20	0.040	
Mg	%	26	0.456	0.022		0.610	0.020		0.590	0.030	
Na	%	19	0.010	0.006		0.040	0.008		0.018	0.008	
Al	mg/kg	8	46.2	3.35		124	28.0		12.8	4.05	
B	mg/kg	26	34.1	2.00		43.7	3.70		31.9	2.65	
Zn	mg/kg	26	31.0	1.51		59.3	3.35		83.5	4.57	
Mn	mg/kg	26	85.6	6.00		141	12.9		83.0	4.60	
Fe	mg/kg	24	113	11.9		95.5	17.5		133	11.5	
Cu	mg/kg	25	7.70	0.70		13.0	1.38		21.3	1.37	
Mo	mg/kg	3	0.818	0.452		0.340	0.186		0.810	0.684	

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