



**2007 North American Proficiency Testing Program
2nd Quarter Report - July 10, 2007**

Laboratory ID

Plant Analysis	Units	n	Plant 2007-204			Plant 2007-205			Plant 2007-206		
			Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}
Dry Matter (%)	%	29	91.1	0.91		92.4	0.39		95.4	0.79	
NO3 - N Cd Rd.	mg/kg	27	522	41.0		30.0	22.7		4935	268	
NO3 - N ISE	mg/kg	8	725	71.0		95.0	58.0		5620	710	
NO3 - N Other	mg/kg	6	627	182		74.1	50.8		3925	1177	
NH4-N	mg/kg	5	450	243		38.6	14.2		35.0	16.0	
PO4 - P	mg/kg	17	3130	261		451	151		3307	157	
SO4 - S	mg/kg	8	991	101		280	172		836	211	
Cl	%	21	0.220	0.046		0.120	0.020		1.36	0.310	
TKN	%	26	0.868	0.055		1.99	0.055		4.63	0.265	
N- Dry Comb.	%	49	0.891	0.032		2.03	0.080		4.91	0.195	
S- Dry Comb.	%	14	0.138	0.020		0.145	0.030		0.294	0.04	
Nitric / Perchloric											
P	%	26	0.374	0.025		0.326	0.015		0.570	0.024	
K	%	26	2.99	0.146		0.450	0.020		5.64	0.261	
Ca	%	26	1.79	0.075		0.073	0.007		0.805	0.033	
Mg	%	26	0.636	0.033		0.130	0.008		0.300	0.015	
S	%	27	0.150	0.007		0.140	0.010		0.302	0.018	
Na	%	19	0.031	0.003		0.017	0.002		0.316	0.010	
Al	mg/kg	10	86.3	13.3		21.1	6.04		252	54.2	
B	mg/kg	21	41.5	3.49		2.02	0.99		25.3	2.17	
Zn	mg/kg	26	64.4	4.43		34.9	2.25		41.0	2.71	
Mn	mg/kg	26	158	10.4		19.8	2.23		121	6.3	
Fe	mg/kg	26	106	11.5		40.6	3.17		449	46.5	
Cu	mg/kg	26	13.6	1.25		6.00	0.50		9.50	0.97	
Mo	mg/kg	4	0.245	0.195		1.13	0.137		0.366	0.366	

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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			Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}
Nitric / Perchloric- MICROWAVE											
P	%	18	0.390	0.022		0.332	0.017		0.589	0.022	
K	%	18	2.88	0.130		0.440	0.022		5.68	0.295	
Ca	%	18	1.74	0.080		0.065	0.007		0.824	0.036	
Mg	%	18	0.624	0.035		0.127	0.007		0.290	0.016	
S	%	16	0.143	0.009		0.140	0.010		0.307	0.017	
Na	%	16	0.033	0.003		0.020	0.004		0.322	0.010	
Al	mg/kg	15	108	14.4		20.0	3.00		360	126	
B	mg/kg	17	44.0	1.96		2.07	0.86		27.0	1.11	
Zn	mg/kg	18	65.0	3.00		34.9	3.25		42.1	2.16	
Mn	mg/kg	18	157	6.2		20.1	1.52		123	2.4	
Fe	mg/kg	18	113	9.8		45.3	5.60		438	40.6	
Cu	mg/kg	18	13.4	1.11		6.31	0.81		9.85	1.10	
Mo	mg/kg	5	0.290	0.020		1.18	0.114		0.700	0.080	
Dry Ash											
P	%	29	0.380	0.014		0.320	0.015		0.570	0.021	
K	%	29	2.84	0.115		0.450	0.020		5.62	0.220	
Ca	%	30	1.69	0.065		0.068	0.012		0.800	0.030	
Mg	%	30	0.610	0.017		0.127	0.007		0.290	0.010	
Na	%	21	0.046	0.006		0.020	0.004		0.320	0.010	
Al	mg/kg	11	111	22.3		12.0	5.98		470	61.9	
B	mg/kg	30	43.0	3.23		2.00	1.000		27.9	2.16	
Zn	mg/kg	30	60.3	3.78		34.8	2.35		39.5	2.47	
Mn	mg/kg	30	148	9.0		19.0	1.20		118	5.80	
Fe	mg/kg	28	93.2	13.5		40.9	6.97		411	65.6	
Cu	mg/kg	30	12.8	0.84		6.10	0.900		8.00	1.00	
Mo	mg/kg	1	1.39	0.000		0.900	0.253		1.16	0.763	

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