



2007 North American Proficiency Testing Program
4th Quarter Report - November 21, 2007

Laboratory ID

Plant Analysis	Units	n	Plant 2007-210			Plant 2007-211			Plant 2007-212		
			Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}
Dry Matter (%)	%	30	92.6	0.63		91.5	0.76		92.8	0.92	
NO3 - N Cd Rd.	mg/kg	22	37.0	31.8		495	67.5		1297	159	
NO3 - N ISE	mg/kg	9	115	47.1		756	193		1690	247	
NO3 - N Other	mg/kg	4	392	308		621	121		1340	428	
NH4-N	mg/kg	3	200	53.5		594	38.0		422	46.0	
PO4 - P	mg/kg	18	565	95.5		3137	89		1069	125	
SO4 - S	mg/kg	9	660	140		1129	116		888	304	
Cl	%	20	0.165	0.143		0.220	0.070		0.514	0.066	
TKN	%	20	1.840	0.100		0.872	0.068		2.945	0.162	
N- Dry Comb.	%	48	1.957	0.062		0.907	0.036		3.187	0.127	
S- Dry Comb.	%	12	0.197	0.034		0.158	0.043		0.215	0.055	
Nitric / Perchloric											
P	%	28	0.152	0.008		0.380	0.015		0.204	0.010	
K	%	29	0.538	0.022		2.920	0.120		1.700	0.067	
Ca	%	30	0.530	0.030		1.720	0.100		1.735	0.090	
Mg	%	30	0.200	0.014		0.622	0.032		0.715	0.037	
S	%	27	0.183	0.007		0.151	0.010		0.218	0.018	
Na	%	21	0.008	0.007		0.032	0.004		0.089	0.008	
Al	mg/kg	13	98.5	10.5		99.6	16.6		583	196	
B	mg/kg	25	37.5	4.51		41.9	4.6		24.4	3.70	
Zn	mg/kg	30	17.5	1.59		63.5	3.7		31.1	1.83	
Mn	mg/kg	30	1952	124		156	7.6		50.6	3.50	
Fe	mg/kg	29	57.0	9.00		108	13.6		627	65.1	
Cu	mg/kg	29	5.00	0.52		13.0	0.90		9.53	0.63	
Mo	mg/kg	6	0.08	0.08		0.98	0.68		0.83	0.45	

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	%	19	0.156	0.015		0.382	0.028		0.210	0.010	
K	%	19	0.550	0.030		2.892	0.115		1.730	0.070	
Ca	%	19	0.550	0.020		1.760	0.070		1.760	0.080	
Mg	%	19	0.200	0.010		0.625	0.030		0.733	0.029	
S	%	17	0.186	0.011		0.150	0.016		0.220	0.010	
Na	%	15	0.010	0.008		0.030	0.002		0.090	0.007	
Al	mg/kg	14	100	6.4		103	23.9		664	203	
B	mg/kg	18	39.4	2.15		45.2	2.01		25.7	1.17	
Zn	mg/kg	19	19.8	1.57		64.0	3.90		33.8	1.84	
Mn	mg/kg	18	2013	59.8		160	6.0		50.5	2.50	
Fe	mg/kg	19	57.3	3.17		104	10.6		624	50.0	
Cu	mg/kg	19	5.15	1.33		13.2	1.80		10.1	1.18	
Mo	mg/kg	5	0.51	0.44		0.32	0.16		0.57	0.21	
Dry Ash											
P	%	24	0.150	0.010		0.380	0.019		0.200	0.010	
K	%	24	0.515	0.018		2.850	0.113		1.655	0.066	
Ca	%	24	0.523	0.020		1.700	0.073		1.715	0.068	
Mg	%	24	0.190	0.020		0.621	0.028		0.720	0.028	
Na	%	15	0.010	0.002		0.040	0.010		0.108	0.010	
Al	mg/kg	6	98.1	15.0		114	19.3		720	142	
B	mg/kg	23	37.8	2.57		42.0	2.15		25.0	1.00	
Zn	mg/kg	23	15.0	3.00		60.8	3.75		30.8	1.96	
Mn	mg/kg	24	1018	717		145	8.9		47.5	3.21	
Fe	mg/kg	22	39.5	10.4		91.0	18.8		511	104	
Cu	mg/kg	23	4.42	1.42		12.0	0.87		9.84	1.84	
Mo	mg/kg	2	0.60	0.16		1.36	0.37		1.51	0.65	

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