



2008 North American Proficiency Testing Program
1st Quarter Report - April 21, 2008

Laboratory ID

Plant Analysis	Units	n	Plant 2008-201			Plant 2008-202			Plant 2008-203		
			Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}
Dry Matter (%)	%	23	92.6	1.0		93.9	1.0		95.2	1.00	
NO3 - N Cd Rd.	mg/kg	18	18.5	12.0		292	22.0		661	56.1	
NO3 - N ISE	mg/kg	6	79.4	36.9		323	74.0		704	67.3	
NO3 - N Other	mg/kg	2	50.8	45.2		918	623		933	268	
NH4-N	mg/kg	3	40.6	7.3		333	53.8		155	46.9	
PO4 - P	mg/kg	9	449	29.0		1360	54.0		2050	139	
SO4 - S	mg/kg	4	109	18.4		1073	85.5		194	21.2	
Cl	%	14	0.125	0.025		0.875	0.065		0.260	0.070	
TKN	%	18	2.01	0.105		3.80	0.213		2.22	0.095	
N- Dry Comb.	%	40	2.00	0.080		3.97	0.150		2.39	0.127	
S- Dry Comb.	%	11	0.150	0.050		0.305	0.045		0.155	0.045	
Nitric / Perchloric											
P	%	28	0.313	0.014		0.270	0.010		0.330	0.016	
K	%	26	0.450	0.020		3.24	0.13		2.27	0.090	
Ca	%	27	0.069	0.009		1.79	0.110		0.280	0.020	
Mg	%	27	0.130	0.008		0.430	0.014		0.184	0.006	
S	%	25	0.130	0.010		0.296	0.012		0.130	0.008	
Na	%	19	0.020	0.002		0.060	0.003		0.026	0.004	
Al	mg/kg	13	35.0	6.25		119	8.4		104	8.6	
B	mg/kg	18	2.51	1.50		48.0	3.9		8.31	1.55	
Zn	mg/kg	27	34.8	1.76		19.2	1.17		28.4	1.48	
Mn	mg/kg	27	18.5	1.50		61.1	3.25		29.6	1.58	
Fe	mg/kg	26	49.2	7.48		120	12.2		89.2	9.4	
Cu	mg/kg	27	7.65	0.65		7.90	0.68		13.7	0.70	
Mo	mg/kg	8	1.27	0.29		2.72	0.51		1.40	0.27	

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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Plant Analysis	Plant 2008-201			Plant 2008-202			Plant 2008-203				
	Units	n	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}
Nitric / Perchloric- MICROWAVE											
P	%	15	0.340	0.020		0.280	0.013		0.340	0.010	
K	%	15	0.461	0.018		3.25	0.130		2.26	0.090	
Ca	%	15	0.070	0.007		1.81	0.072		0.283	0.013	
Mg	%	15	0.130	0.010		0.430	0.015		0.184	0.029	
S	%	15	0.141	0.007		0.300	0.020		0.140	0.010	
Na	%	13	0.020	0.002		0.061	0.002		0.026	0.004	
Al	mg/kg	11	28.5	5.51		118	22.2		99.0	17.2	
B	mg/kg	11	1.54	0.54		52.9	3.93		7.69	0.89	
Zn	mg/kg	15	34.7	2.12		19.4	2.10		28.8	2.50	
Mn	mg/kg	15	19.5	0.80		65.0	2.60		31.7	1.20	
Fe	mg/kg	15	50.5	4.60		130	9.8		93.2	4.2	
Cu	mg/kg	15	7.60	0.60		7.66	0.95		13.5	0.94	
Mo	mg/kg	6	1.40	0.15		2.76	0.13		1.42	0.06	
Dry Ash											
P	%	18	0.318	0.018		0.273	0.010		0.322	0.013	
K	%	18	0.465	0.027		3.20	0.128		2.22	0.088	
Ca	%	18	0.070	0.010		1.80	0.100		0.274	0.068	
Mg	%	19	0.130	0.010		0.430	0.020		0.180	0.006	
Na	%	13	0.020	0.003		0.070	0.010		0.030	0.003	
Al	mg/kg	5	27.0	2.72		120	26.0		92.1	5.2	
B	mg/kg	20	2.33	0.67		49.0	2.86		8.74	1.34	
Zn	mg/kg	19	35.0	2.00		18.8	2.20		27.7	1.70	
Mn	mg/kg	19	18.0	1.00		60.8	2.7		28.4	0.60	
Fe	mg/kg	18	44.1	4.96		126	9.5		76.7	11.6	
Cu	mg/kg	18	7.27	1.32		7.38	0.59		11.0	2.00	
Mo	mg/kg	5	0.88	0.36		2.57	0.21		0.79	0.22	

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