



**2006 North American Proficiency Testing Program
1st Quarter Report - June 16, 2006**

Laboratory ID

Plant Analysis	Units	n	Plant 2006-201			Plant 2006-202			Plant 2006-203		
			Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}
Dry Matter (%)	%	34	93.6	0.67		92.8	0.69		93.5	0.84	
NO3 - N Cd Rd.	mg/kg	29	106	25.0		860	74.4		432	28.0	
NO3 - N ISE	mg/kg	12	293	139		1125	182		593	62.5	
NO3 - N Oth.	mg/kg	3	90.0	23.4		970	83.0		436	27.0	
NH4-N	mg/kg	3	50.7	19.7		458	157		188	120	
PO4 - P	mg/kg	20	762	51.5		2635	135		1395	114	
SO4 - S	mg/kg	7	533	100		1044	575		1046	323	
Cl	%	23	0.060	0.019		0.419	0.039		0.585	0.029	
TKN	%	23	0.660	0.032		0.931	0.039		2.80	0.060	
N- Dry Comb.	%	56	0.733	0.050		0.991	0.038		2.97	0.080	
S- Dry Comb.	%	14	0.100	0.014		0.130	0.020		0.255	0.025	
Nitric / Perchloric / H2O2 Digest - Block											
P	%	38	0.110	0.007		0.330	0.010		0.250	0.010	
K	%	37	1.41	0.067		2.41	0.086		2.23	0.110	
Ca	%	37	1.03	0.060		1.67	0.073		1.21	0.062	
Mg	%	37	0.361	0.019		0.692	0.029		0.280	0.010	
S	%	39	0.098	0.008		0.150	0.010		0.250	0.016	
Na	%	28	0.010	0.008		0.118	0.008		0.090	0.007	
Al	mg/kg	15	789	126		73.0	16.0		207	24.9	
B	mg/kg	29	20.2	3.04		42.1	2.90		35.9	2.90	
Zn	mg/kg	36	11.4	1.55		75.4	4.17		24.0	1.60	
Mn	mg/kg	36	74.1	5.08		107	4.99		32.5	1.53	
Fe	mg/kg	36	585	119		68.2	6.74		378	57.6	
Cu	mg/kg	36	5.66	0.660		19.5	1.25		9.00	0.50	
Mo	mg/kg	7	0.791	0.209		0.645	0.572		1.100	0.273	

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 2006-201					Plant 2006-202			Plant 2006-203		
	Units	n	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}
Nitric / Perchloric / H2O2 Digest - Microwave											
P	%	16	0.110	0.010		0.330	0.025		0.250	0.017	
K	%	16	1.43	0.070		2.355	0.159		2.20	0.126	
Ca	%	16	1.04	0.043		1.736	0.087		1.23	0.070	
Mg	%	16	0.369	0.010		0.724	0.045		0.281	0.024	
S	%	16	0.098	0.008		0.157	0.012		0.256	0.030	
Na	%	11	0.005	0.004		0.120	0.010		0.088	0.008	
Al	mg/kg	13	1208	43.1		78.2	15.2		239	51.5	
B	mg/kg	16	21.9	2.17		42.5	3.16		35.0	3.71	
Zn	mg/kg	16	11.3	1.31		74.8	4.88		23.9	2.59	
Mn	mg/kg	16	77.1	1.71		107	4.5		32.1	1.70	
Fe	mg/kg	16	686	95.0		72.5	11.2		359	70.0	
Cu	mg/kg	16	5.42	0.59		19.5	1.93		8.79	0.787	
Mo	mg/kg	3	0.630	0.155		0.200	0.091		1.13	0.232	
Dry Ash											
P	%	29	0.110	0.007		0.320	0.011		0.250	0.012	
K	%	29	1.40	0.080		2.37	0.15		2.19	0.11	
Ca	%	30	1.02	0.049		1.66	0.10		1.21	0.062	
Mg	%	30	0.363	0.023		0.700	0.050		0.275	0.015	
Na	%	24	0.010	0.004		0.120	0.019		0.094	0.007	
Al	mg/kg	13	857	163		70.0	7.62		199	40.8	
B	mg/kg	32	21.0	1.65		42.0	2.40		36.0	1.17	
Zn	mg/kg	31	11.0	1.80		72.2	5.90		23.5	1.50	
Mn	mg/kg	32	68.6	5.17		102	7.5		29.1	2.10	
Fe	mg/kg	30	470	130		58.3	6.60		266	60.0	
Cu	mg/kg	31	5.78	0.88		18.8	1.55		8.40	0.949	
Mo	mg/kg	7	0.640	0.037		0.219	0.179		0.850	0.039	

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