



2006 North American Proficiency Testing Program
2nd Quarter Report - September 15, 2006

Laboratory ID

Plant Analysis	Units	n	Plant 2006-204			Plant 2006-205			Plant 2006-206		
			Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}
Dry Matter (%)	%	34	93.5	0.83		93.1	0.70		92.0	0.73	
NO3 - N Cd Rd.	mg/kg	25	937	58.2		431	38.2		8291	530	
NO3 - N ISE	mg/kg	10	1338	122		555	43.5		8693	700	
NO3 - N Oth.	mg/kg	4	1201	150		1440	777		8270	1604	
NH4-N	mg/kg	4	67.0	39.6		106	65.1		291	71.6	
PO4 - P	mg/kg	23	1500	110		1386	101		2741	159	
SO4 - S	mg/kg	9	600	291		1170	270		1962	472	
Cl	%	24	0.42	0.06		0.61	0.05		3.33	0.31	
TKN	%	30	2.88	0.30		2.79	0.11		2.59	0.18	
N- Dry Comb.	%	55	3.02	0.09		2.97	0.09		3.11	0.06	
S- Dry Comb.	%	17	0.23	0.03		0.26	0.03		0.31	0.03	
Nitric / Perchloric											
P	%	34	0.30	0.03		0.26	0.03		0.40	0.03	
K	%	35	2.42	0.09		2.20	0.05		5.44	0.23	
Ca	%	34	0.79	0.03		1.23	0.03		2.49	0.09	
Mg	%	34	0.33	0.03		0.28	0.03		0.99	0.04	
S	%	32	0.23	0.03		0.25	0.03		0.32	0.03	
Na	%	27	0.03	0.03		0.09	0.03		0.45	0.03	
Al	mg/kg	15	90.0	23.5		193	22.5		129	50.0	
B	mg/kg	28	14.0	2.05		35.1	3.65		33.3	2.98	
Zn	mg/kg	33	42.0	2.00		24.0	1.00		60.0	3.10	
Mn	mg/kg	34	63.8	3.17		32.0	2.00		50.4	4.31	
Fe	mg/kg	34	188	12.1		385	36.0		192	10.0	
Cu	mg/kg	34	12.0	0.86		8.81	0.47		13.8	0.96	
Mo	mg/kg	7	0.83	0.15		1.13	0.27		1.14	0.20	

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	Units	n	Plant 2006-204			Plant 2006-205			Plant 2006-206		
			Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}
Nitric / Perchloric- MICROWAVE											
P	%	18	0.30	0.03		0.25	0.03		0.38	0.03	
K	%	18	2.53	0.24		2.33	0.14		5.41	0.50	
Ca	%	18	0.79	0.04		1.20	0.07		2.36	0.11	
Mg	%	18	0.34	0.03		0.28	0.03		1.02	0.06	
S	%	18	0.24	0.03		0.26	0.03		0.33	0.03	
Na	%	17	0.03	0.03		0.08	0.03		0.46	0.05	
Al	mg/kg	16	87.3	28.6		206	78.3		162	52.0	
B	mg/kg	18	14.0	0.95		36.0	1.50		34.1	2.24	
Zn	mg/kg	18	42.1	1.96		24.2	1.14		61.0	2.67	
Mn	mg/kg	18	63.8	2.50		31.9	0.86		50.8	2.46	
Fe	mg/kg	19	187	27.1		346	95.7		188	37.6	
Cu	mg/kg	18	12.2	1.04		8.79	0.72		13.7	1.70	
Mo	mg/kg	7	0.98	0.38		1.27	0.29		0.83	0.14	
Dry Ash											
P	%	34	0.30	0.03		0.25	0.03		0.38	0.03	
K	%	34	2.40	0.09		2.20	0.11		5.25	0.22	
Ca	%	35	0.78	0.03		1.21	0.05		2.42	0.12	
Mg	%	35	0.33	0.03		0.28	0.03		0.98	0.05	
Na	%	29	0.03	0.03		0.10	0.03		0.46	0.03	
Al	mg/kg	15	89.0	25.0		226	53.0		166	47.0	
B	mg/kg	35	15.0	1.40		36.0	3.01		34.2	2.90	
Zn	mg/kg	35	40.6	2.10		24.0	2.10		58.4	4.40	
Mn	mg/kg	35	61.0	3.00		30.0	1.11		49.0	3.36	
Fe	mg/kg	32	149	29.6		298	94.5		166	27.5	
Cu	mg/kg	34	11.0	1.18		8.50	0.70		14.0	1.06	
Mo	mg/kg	7	0.81	0.28		0.78	0.22		0.62	0.19	

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