



2006 North American Proficiency Testing Program  
3<sup>rd</sup> Quarter Report - November 15, 2006

Laboratory ID

Plant Analysis	Units	n	Plant 2006-207			Plant 2006-208			Plant 2006-209		
			Median	MAD	Lab <sup>1,2</sup>	Median	MAD	Lab <sup>1,2</sup>	Median	MAD	Lab <sup>1,2</sup>
Dry Matter (%)	%	34	93.1	0.66		93.2	0.69		94.0	0.73	
NO3 - N Cd Rd.	mg/kg	27	439	40.6		443	18.0		170	30	
NO3 - N ISE	mg/kg	10	554	26		549	35.0		448	57	
NO3 - N Oth.	mg/kg	4	516	86		456	56		343	138	
NH4-N	mg/kg	4	567.3	194.8		134	69.2		83	39.9	
PO4 - P	mg/kg	18	2660	116		1364	92		2830	133	
SO4 - S	mg/kg	7	1174	494		1404	104		685	244	
Cl	%	21	0.16	0.06		0.60	0.03		0.49	0.05	
TKN	%	27	2.93	0.06		2.79	0.08		2.90	0.05	
N- Dry Comb.	%	52	3.04	0.08		2.98	0.07		3.07	0.09	
S- Dry Comb.	%	16	0.47	0.04		0.27	0.03		0.24	0.02	
<b>Nitric / Perchloric</b>											
P	%	34	0.46	0.02		0.25	0.01		0.37	0.02	
K	%	35	1.76	0.09		2.21	0.12		2.31	0.12	
Ca	%	34	1.40	0.07		1.20	0.04		0.68	0.04	
Mg	%	34	0.32	0.01		0.28	0.01		0.23	0.01	
S	%	32	0.41	0.04		0.25	0.01		0.21	0.01	
Na	%	26	0.03	0.00		0.08	0.01		0.01	0.00	
Al	mg/kg	15	200.0	21.0		197	30.0		38	12.5	
B	mg/kg	28	36.0	3.17		35.4	1.86		9.0	1.31	
Zn	mg/kg	33	64.6	3.76		23.3	1.38		22.1	1.84	
Mn	mg/kg	34	113.9	7.00		31.6	2.01		87.8	5.24	
Fe	mg/kg	34	217	15.9		366	41.8		102	8.0	
Cu	mg/kg	34	11.3	0.86		8.41	0.66		12.2	0.91	
Mo	mg/kg	7	0.84	0.36		1.10	0.15		0.77	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.



2006 North American Proficiency Testing Program  
3<sup>rd</sup> Quarter Report - November 15, 2006

Laboratory ID

Plant Analysis	Units	n	Plant 2006-207			Plant 2006-208			Plant 2006-209		
			Median	MAD	Lab <sup>1,2</sup>	Median	MAD	Lab <sup>1,2</sup>	Median	MAD	Lab <sup>1,2</sup>
<b>Nitric / Perchloric- MICROWAVE</b>											
P	%	19	0.47	0.02		0.26	0.02		0.37	0.02	
K	%	19	1.78	0.09		2.27	0.09		2.29	0.08	
Ca	%	19	1.42	0.05		1.22	0.04		0.68	0.03	
Mg	%	19	0.31	0.02		0.27	0.01		0.23	0.01	
S	%	18	0.42	0.03		0.26	0.01		0.22	0.01	
Na	%	16	0.03	0.01		0.09	0.01		0.01	0.01	
Al	mg/kg	14	227.7	45.7		243	47.7		40	10.5	
B	mg/kg	19	37.0	5.14		35.4	2.96		8.8	1.53	
Zn	mg/kg	19	66.0	3.05		24.5	1.78		21.8	1.17	
Mn	mg/kg	19	116.8	5.18		32.7	1.75		88.1	4.27	
Fe	mg/kg	18	215	23.6		365	90.0		107	11.0	
Cu	mg/kg	18	11.9	0.96		8.60	0.58		11.7	0.74	
Mo	mg/kg	7	0.60	0.41		0.77	0.39		0.30	0.25	
<b>Dry Ash</b>											
P	%	30	0.46	0.02		0.26	0.01		0.38	0.02	
K	%	30	1.73	0.07		2.19	0.09		2.24	0.08	
Ca	%	31	1.38	0.05		1.18	0.05		0.67	0.03	
Mg	%	31	0.30	0.01		0.27	0.01		0.22	0.01	
Na	%	25	0.04	0.01		0.09	0.01		0.01	0.01	
Al	mg/kg	13	216.0	17.0		214	28.4		34	6.6	
B	mg/kg	31	37.3	2.30		36.0	2.10		9.7	1.30	
Zn	mg/kg	31	65.1	3.46		24.0	1.70		21.8	1.78	
Mn	mg/kg	32	110.3	6.25		30.0	1.25		86.8	3.96	
Fe	mg/kg	29	191	33.9		310	85.9		101	12.3	
Cu	mg/kg	31	11.0	1.00		8.48	0.88		11.5	0.70	
Mo	mg/kg	8	0.71	0.35		0.92	0.41		0.46	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.