



2007 North American Proficiency Testing Program  
3rd Quarter Report - September 1, 2007

Laboratory ID

Plant Analysis	Units	n	Plant 2007-207			Plant 2007-208			Plant 2007-209		
			Median	MAD	Lab <sup>1,2</sup>	Median	MAD	Lab <sup>1,2</sup>	Median	MAD	Lab <sup>1,2</sup>
Dry Matter (%)	%	32	94.0	3.75		93.7	3.74		91.5	3.65	
NO3 - N Cd Rd.	mg/kg	20	231	31.5		77.4	12.9		487	21.5	
NO3 - N ISE	mg/kg	9	318	66.5		180	22.0		726	144	
NO3 - N Other	mg/kg	6	396	177		500	221		488	88	
NH4-N	mg/kg	4	157	108		103	39.5		532	146	
PO4 - P	mg/kg	17	1000	105		800	68.0		3150	126	
SO4 - S	mg/kg	8	506	143		1306	450		1094	130	
Cl	%	19	0.220	0.080		0.173	0.073		0.220	0.053	
TKN	%	18	3.14	0.17		2.59	0.13		0.92	0.05	
N- Dry Comb.	%	46	3.22	0.13		2.56	0.10		0.91	0.04	
S- Dry Comb.	%	13	0.213	0.027		0.260	0.019		0.143	0.033	
<b>Nitric / Perchloric</b>											
P	%	25	0.215	0.005		0.130	0.008		0.382	0.015	
K	%	25	1.88	0.07		1.01	0.04		2.92	0.12	
Ca	%	25	2.78	0.14		4.55	0.23		1.74	0.07	
Mg	%	25	0.620	0.028		0.351	0.014		0.629	0.024	
S	%	26	0.207	0.013		0.269	0.012		0.150	0.009	
Na	%	19	0.030	0.006		0.020	0.002		0.030	0.002	
Al	mg/kg	10	60.3	10.1		143	29.5		95.2	23.8	
B	mg/kg	20	38.5	2.90		98.6	5.45		41.8	3.17	
Zn	mg/kg	25	44.6	2.40		68.1	3.45		65.0	3.50	
Mn	mg/kg	25	90.1	5.40		49.0	2.57		159	10.5	
Fe	mg/kg	25	103	5.2		196	9.5		109	7.8	
Cu	mg/kg	24	8.04	0.77		26.0	1.13		13.8	0.80	
Mo	mg/kg	6	0.455	0.335		0.454	0.196		0.299	0.199	

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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<b>Nitric / Perchloric- MICROWAVE</b>											
P	%	15	0.213	0.007		0.130	0.010		0.390	0.020	
K	%	15	1.80	0.13		0.994	0.076		2.94	0.11	
Ca	%	15	2.84	0.13		4.55	0.19		1.76	0.07	
Mg	%	15	0.610	0.030		0.340	0.020		0.630	0.025	
S	%	14	0.209	0.011		0.262	0.020		0.150	0.006	
Na	%	13	0.030	0.004		0.020	0.002		0.032	0.002	
Al	mg/kg	12	62.7	24.2		169	36.9		104	42.7	
B	mg/kg	14	38.5	2.55		95.3	4.25		42.8	2.88	
Zn	mg/kg	15	42.6	1.70		65.4	3.35		64.4	4.40	
Mn	mg/kg	15	91.1	3.64		47.8	1.91		159	6.36	
Fe	mg/kg	15	102	7.4		201	14.2		112	11.4	
Cu	mg/kg	15	8.10	0.67		25.0	1.00		13.3	0.57	
Mo	mg/kg	3	0.444	0.570		0.394	0.054		1.25	0.89	
<b>Dry Ash</b>											
P	%	24	0.210	0.007		0.130	0.010		0.380	0.015	
K	%	24	1.80	0.10		0.96	0.04		2.89	0.22	
Ca	%	25	2.81	0.15		4.53	0.22		1.72	0.08	
Mg	%	25	0.610	0.030		0.340	0.020		0.620	0.025	
Na	%	19	0.030	0.005		0.026	0.005		0.040	0.008	
Al	mg/kg	10	50.4	15.0		139	19.1		102	13.0	
B	mg/kg	26	39.6	2.72		96.5	6.54		43.4	3.4	
Zn	mg/kg	23	42.1	3.93		65.0	5.00		61.3	5.0	
Mn	mg/kg	25	85.3	4.20		42.5	3.35		149	8.0	
Fe	mg/kg	22	87.6	6.56		147	19.5		91.8	12.3	
Cu	mg/kg	23	8.13	1.08		22.9	1.57		12.6	1.0	
Mo	mg/kg	2	1.01	0.62		1.09	0.81		1.80	1.55	

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