



2012 North American Proficiency Testing Program
1st Quarter Report - April 9, 2012

Laboratory ID
general

Plant Analysis	Units	n	Plant 2012-201			Plant 2012-202			Plant 2012-203		
			Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}
Dry Matter (%)	%	27	94.7	0.310		94.8	0.260		95.8	0.550	
NO3 - N Cd Rd.	mg/kg	24	310	31.5		4870	284		28.2	4.74	
NO3 - N ISE	mg/kg	5	431	51.0		5640	738		180	35.0	
NO3 - N Other	mg/kg	3	330	59.0		3840	1410		40.0	39.0	
NH4-N	mg/kg	2	332	172		2110	425		153	52.5	
PO4 - P	mg/kg	11	2580	115		3440	180		2110	120	
SO4 - S	mg/kg	5	1360	132		4600	1780		1060	184	
Cl	%	21	0.788	0.058		0.679	0.049		0.870	0.040	
TKN	%	19	3.78	0.090		2.90	0.180		1.31	0.070	
N- Dry Comb.	%	53	3.98	0.100		3.27	0.065		1.38	0.040	
S- Dry Comb.	%	15	0.380	0.020		0.850	0.120		0.201	0.019	
Nitric / Perchloric											
P	%	30	0.450	0.027		0.470	0.020		0.292	0.018	
K	%	29	2.50	0.180		3.23	0.190		0.790	0.040	
Ca	%	30	0.719	0.058		2.78	0.130		1.29	0.106	
Mg	%	30	0.300	0.020		0.492	0.036		0.450	0.026	
S	%	28	0.352	0.022		0.857	0.057		0.190	0.010	
Na	%	22	0.009	0.001		0.395	0.025		0.040	0.003	
Al	mg/kg	13	71.5	17.7		2800	534		149	30.7	
B	mg/kg	24	8.23	1.64		34.0	5.00		67.0	3.80	
Zn	mg/kg	30	35.1	2.01		58.3	4.73		21.8	1.30	
Mn	mg/kg	30	53.0	3.50		140	12.0		39.5	2.50	
Fe	mg/kg	30	162	11.8		6090	1040		223	22.8	
Cu	mg/kg	31	13.8	1.15		21.6	1.60		5.98	0.860	
Mo	mg/kg	12	2.21	0.295		2.26	0.550		1.71	0.115	

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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Nitric / Perchloric- MICROWAVE											
P	%	21	0.450	0.020		0.448	0.032		0.290	0.014	
K	%	21	2.62	0.100		3.17	0.170		0.790	0.040	
Ca	%	21	0.723	0.053		2.70	0.130		1.26	0.074	
Mg	%	21	0.299	0.024		0.468	0.023		0.430	0.030	
S	%	21	0.370	0.012		0.870	0.056		0.190	0.010	
Na	%	17	0.010	0.002		0.387	0.033		0.042	0.008	
Al	mg/kg	15	86.2	19.2		2830	253		175	22.1	
B	mg/kg	21	11.0	2.00		39.0	7.55		68.5	6.30	
Zn	mg/kg	21	37.1	2.87		58.7	4.36		22.3	1.71	
Mn	mg/kg	21	55.2	2.80		134	9.10		39.7	1.35	
Fe	mg/kg	21	169	16.0		5780	1170		216	34.6	
Cu	mg/kg	21	14.5	1.26		21.5	1.90		6.00	1.00	
Mo	mg/kg	10	2.26	0.365		2.06	0.360		1.56	0.260	
Dry Ash											
P	%	22	0.440	0.020		0.465	0.025		0.295	0.015	
K	%	23	2.52	0.110		2.96	0.190		0.770	0.028	
Ca	%	23	0.688	0.032		2.79	0.140		1.26	0.050	
Mg	%	23	0.280	0.010		0.470	0.040		0.430	0.019	
Na	%	18	0.010	0.002		0.435	0.065		0.047	0.007	
Al	mg/kg	7	71.0	14.6		3670	428		190	19.8	
B	mg/kg	24	9.59	0.835		42.7	4.92		69.4	3.65	
Zn	mg/kg	22	33.8	2.10		58.5	5.80		21.9	1.53	
Mn	mg/kg	22	49.3	2.60		119	18.5		37.9	2.08	
Fe	mg/kg	22	144	14.0		4410	574		187	25.5	
Cu	mg/kg	22	9.36	1.77		20.0	2.95		6.01	1.01	
Mo	mg/kg	5	1.97	0.370		1.85	0.290		1.58	0.180	

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