



2011 North American Proficiency Testing Program
3rd Quarter Report - November 7, 2011

Laboratory ID
general

Plant Analysis	Units	n	Plant 2011-207			Plant 2011-208			Plant 2011-209		
			Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}
Dry Matter (%)	%	29	94.3	0.760		91.0	0.600		94.1	0.830	
NO3 - N Cd Rd.	mg/kg	24	32.2	11.5		500	28.0		1490	67.0	
NO3 - N ISE	mg/kg	2	171	9.84		739	165		1760	159	
NO3 - N Other	mg/kg	4	170	17.0		662	124		1700	165	
NH4-N	mg/kg	3	73.0	7.30		445	44.5		360	36.0	
PO4 - P	mg/kg	11	1570	51.0		3070	174		3410	191	
SO4 - S	mg/kg	5	562	54.4		1010	10.4		817	174	
Cl	%	23	0.250	0.040		0.190	0.030		0.340	0.040	
TKN	%	16	1.69	0.051		0.865	0.037		2.83	0.130	
N- Dry Comb.	%	55	1.77	0.041		0.905	0.040		3.04	0.068	
S- Dry Comb.	%	11	0.150	0.030		0.145	0.023		0.210	0.031	
Nitric / Perchloric											
P	%	29	0.236	0.011		0.370	0.019		0.480	0.015	
K	%	29	1.04	0.060		2.87	0.117		4.40	0.180	
Ca	%	29	0.580	0.030		1.70	0.075		1.24	0.050	
Mg	%	29	0.175	0.011		0.622	0.024		0.520	0.021	
S	%	30	0.150	0.010		0.155	0.007		0.210	0.010	
Na	%	21	0.010	0.001		0.030	0.003		0.030	0.006	
Al	mg/kg	17	461	42.9		93.7	11.4		1720	168	
B	mg/kg	25	18.9	1.67		40.0	2.69		32.9	1.80	
Zn	mg/kg	29	34.6	1.99		62.0	3.43		98.8	4.05	
Mn	mg/kg	29	123	5.20		154	6.53		129	3.70	
Fe	mg/kg	29	588	46.0		104	13.4		2620	325	
Cu	mg/kg	30	23.1	1.25		12.9	0.910		16.2	1.36	
Mo	mg/kg	12	2.08	0.119		0.143	0.014		1.70	0.190	
Nitric / Perchloric- MICROWAVE											

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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			Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}
P	%	24	0.231	0.009		0.380	0.019		0.480	0.018	
K	%	24	1.02	0.045		2.85	0.140		4.22	0.255	
Ca	%	24	0.575	0.029		1.70	0.080		1.22	0.050	
Mg	%	24	0.170	0.010		0.600	0.027		0.510	0.020	
S	%	23	0.150	0.010		0.142	0.008		0.210	0.010	
Na	%	17	0.010	0.001		0.032	0.004		0.030	0.003	
Al	mg/kg	15	498	88.4		103	17.9		1810	181	
B	mg/kg	23	19.2	1.34		41.4	2.85		34.9	3.63	
Zn	mg/kg	24	35.0	1.56		63.0	3.20		99.5	5.40	
Mn	mg/kg	23	121	4.20		156	8.50		130	4.41	
Fe	mg/kg	23	589	77.3		108	9.85		2690	435	
Cu	mg/kg	24	23.7	1.34		13.0	1.30		17.0	1.21	
Mo	mg/kg	9	2.05	0.170		0.350	0.035		1.77	0.296	
Dry Ash											
P	%	24	0.234	0.015		0.380	0.020		0.490	0.024	
K	%	25	0.830	0.096		2.87	0.190		4.32	0.320	
Ca	%	25	0.521	0.038		1.70	0.121		1.26	0.070	
Mg	%	25	0.160	0.010		0.630	0.040		0.510	0.030	
Na	%	18	0.010	0.002		0.040	0.010		0.099	0.020	
Al	mg/kg	8	391	93.4		111	13.0		2140	265	
B	mg/kg	24	16.6	1.63		44.0	4.00		36.2	3.36	
Zn	mg/kg	24	25.6	5.10		61.4	4.56		94.4	6.10	
Mn	mg/kg	24	100	6.42		148	9.75		120	10.0	
Fe	mg/kg	24	394	39.4		95.6	13.8		1970	383	
Cu	mg/kg	24	9.61	3.17		13.0	1.11		16.0	2.30	
Mo	mg/kg	6	2.08	0.190		0.612	0.061		1.85	0.338	

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