



2012 North American Proficiency Testing Program
3rd Quarter Report - October 16, 2012

Laboratory ID
general

Plant Analysis	Units	n	Plant 2012-207			Plant 2012-208			Plant 2012-209		
			Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}
Dry Matter (%)	%	29	94.8	0.530		94.4	0.750		94.6	0.570	
NO3 - N Cd Rd.	mg/kg	26	5160	231		281	31.0		20.5	3.05	
NO3 - N ISE	mg/kg	5	5510	564		419	62.6		154	45.0	
NO3 - N Other	mg/kg	2	5080	839		395	206		392	369	
NH4-N	mg/kg	3	2250	240		238	58.0		52.6	11.8	
PO4 - P	mg/kg	9	3260	161		2070	95.0		1160	70.0	
SO4 - S	mg/kg	5	5040	1590		1040	43.0		1050	136	
Cl	%	21	0.661	0.054		0.603	0.057		0.604	0.034	
TKN	%	16	2.89	0.178		2.24	0.040		1.60	0.040	
N- Dry Comb.	%	53	3.25	0.066		2.38	0.050		1.70	0.048	
S- Dry Comb.	%	11	0.860	0.080		0.197	0.027		0.230	0.033	
Nitric / Perchloric											
P	%	32	0.453	0.023		0.331	0.018		0.200	0.011	
K	%	33	3.20	0.112		2.14	0.140		2.22	0.150	
Ca	%	33	2.77	0.080		3.32	0.180		0.428	0.030	
Mg	%	33	0.481	0.019		0.800	0.030		0.220	0.014	
S	%	31	0.870	0.050		0.180	0.016		0.220	0.020	
Na	%	26	0.393	0.020		0.010	0.001		0.020	0.002	
Al	mg/kg	16	2880	335		592	75.2		61.6	9.60	
B	mg/kg	26	36.1	2.99		49.0	4.00		13.7	1.65	
Zn	mg/kg	33	60.5	3.76		28.0	1.91		16.9	1.47	
Mn	mg/kg	33	141	9.51		123	8.30		85.0	5.00	
Fe	mg/kg	33	6080	790		709	50.4		91.8	12.8	
Cu	mg/kg	34	21.5	1.25		11.0	1.00		7.18	0.660	
Mo	mg/kg	12	2.33	0.145		5.21	0.350		1.01	0.180	

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	%	24	0.449	0.025		0.330	0.020		0.191	0.011	
K	%	24	3.11	0.160		2.11	0.079		2.19	0.105	
Ca	%	24	2.68	0.069		3.12	0.098		0.400	0.022	
Mg	%	24	0.470	0.020		0.770	0.020		0.205	0.011	
S	%	24	0.845	0.050		0.172	0.013		0.215	0.015	
Na	%	18	0.400	0.020		0.010	0.001		0.022	0.004	
Al	mg/kg	13	3120	718		624	112		66.2	11.8	
B	mg/kg	23	39.0	5.10		51.0	3.08		14.3	1.08	
Zn	mg/kg	24	58.7	3.40		28.0	1.85		16.5	1.45	
Mn	mg/kg	24	134	8.46		118	4.54		82.5	4.40	
Fe	mg/kg	24	6130	612		713	76.1		91.5	6.26	
Cu	mg/kg	24	21.8	1.02		11.6	0.931		7.40	0.605	
Mo	mg/kg	10	1.86	0.742		5.09	0.783		0.925	0.143	
Dry Ash											
P	%	19	0.460	0.020		0.340	0.030		0.200	0.010	
K	%	20	2.89	0.205		2.11	0.090		2.16	0.110	
Ca	%	20	2.73	0.175		3.18	0.230		0.385	0.025	
Mg	%	20	0.473	0.045		0.785	0.039		0.210	0.014	
Na	%	15	0.430	0.078		0.020	0.002		0.030	0.007	
Al	mg/kg	7	2890	1060		685	157		58.1	12.8	
B	mg/kg	23	42.0	4.05		50.0	2.00		14.0	1.58	
Zn	mg/kg	19	56.0	4.78		27.9	3.20		16.5	2.47	
Mn	mg/kg	19	120	14.0		110	14.1		77.0	9.50	
Fe	mg/kg	19	4520	916		653	127		76.5	9.46	
Cu	mg/kg	19	20.6	3.57		11.0	1.59		6.39	1.19	
Mo	mg/kg	6	3.26	1.90		4.45	0.745		0.720	0.540	

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