



2014 North American Proficiency Testing Program
3rd Quarter Report - October 16, 2014

Laboratory ID
general

Plant Analysis	Units	n	Plant 2014-207			Plant 2014-208			Median	MAD	Lab ^{1,2}
			Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}			
Dry Matter (%)	%	28	92.7	0.713		94.1	0.640		94.0	0.640	
NO3 - N Cd Rd.	mg/kg	22	639	66.5		30.3	2.68		262	25.0	
NO3 - N ISE	mg/kg	4	680	44.7		150	30.0		386	58.7	
NO3 - N Other	mg/kg	4	1210	255		435	245		394	102	
NH4-N	mg/kg	2	37.8	4.20		56.8	16.8		37.8	12.8	
PO4 - P	mg/kg	11	575	82.0		1690	113		2000	174	
SO4 - S	mg/kg	6	457	60.0		1130	193		815	178	
Cl	%	23	0.280	0.043		1.21	0.090		0.650	0.061	
TKN	%	14	2.37	0.075		1.64	0.050		2.28	0.100	
N- Dry Comb.	%	59	2.46	0.070		1.73	0.040		2.37	0.070	
S- Dry Comb.	%	13	0.200	0.020		0.230	0.020		0.190	0.023	
Nitric / Perchloric											
P	%	31	0.150	0.010		0.270	0.015		0.330	0.010	
K	%	33	2.06	0.110		2.60	0.150		2.10	0.090	
Ca	%	32	2.40	0.165		0.637	0.040		3.11	0.245	
Mg	%	32	0.450	0.024		0.290	0.014		0.799	0.039	
S	%	32	0.190	0.016		0.200	0.011		0.180	0.020	
Na	%	26	0.040	0.004		0.016	0.002		0.010	0.001	
Al	mg/kg	15	150	22.3		93.9	14.9		509	80.0	
B	mg/kg	28	231	18.0		12.0	0.980		46.4	3.69	
Zn	mg/kg	32	49.9	2.15		19.2	1.21		27.0	1.83	
Mn	mg/kg	32	78.5	3.72		64.5	3.26		119	5.52	
Fe	mg/kg	32	198	21.8		164	15.0		701	90.0	
Cu	mg/kg	33	22.0	1.00		8.00	0.653		10.9	0.980	
Mo	mg/kg	9	0.290	0.290		5.70	0.220		5.30	0.490	

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 / Peroxide- MICROWAVE											
P	%	29	0.150	0.008		0.275	0.012		0.330	0.030	
K	%	29	2.05	0.100		2.61	0.126		2.14	0.090	
Ca	%	29	2.40	0.150		0.654	0.026		3.05	0.288	
Mg	%	29	0.440	0.020		0.280	0.010		0.771	0.049	
S	%	26	0.190	0.010		0.208	0.010		0.179	0.021	
Na	%	21	0.040	0.003		0.018	0.002		0.010	0.001	
Al	mg/kg	18	194	21.4		123	12.5		468	52.0	
B	mg/kg	28	234	14.4		12.0	1.33		48.5	4.73	
Zn	mg/kg	28	51.3	2.78		19.5	1.45		27.4	2.90	
Mn	mg/kg	29	79.0	3.00		65.0	2.00		119	6.00	
Fe	mg/kg	29	216	13.0		164	8.50		696	129	
Cu	mg/kg	28	21.9	1.15		8.20	0.655		11.1	0.950	
Mo	mg/kg	13	0.350	0.045		5.38	0.197		3.29	0.388	
Dry Ash											
P	%	19	0.150	0.010		0.275	0.015		0.320	0.040	
K	%	20	2.04	0.068		2.46	0.100		2.13	0.100	
Ca	%	20	2.42	0.100		0.617	0.037		3.14	0.245	
Mg	%	20	0.430	0.021		0.260	0.013		0.729	0.100	
Na	%	16	0.044	0.007		0.024	0.004		0.020	0.003	
Al	mg/kg	7	196	15.7		88.8	24.2		488	169	
B	mg/kg	22	228	10.9		11.3	1.28		47.5	4.64	
Zn	mg/kg	19	49.9	2.95		15.4	1.26		25.2	1.81	
Mn	mg/kg	19	77.5	7.50		55.4	4.20		98.3	14.2	
Fe	mg/kg	19	201	26.0		143	16.6		599	92.0	
Cu	mg/kg	19	22.0	1.60		4.03	0.970		11.1	0.800	
Mo	mg/kg	4	0.620	0.275		4.86	0.445		3.21	1.22	

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