



2015 North American Proficiency Testing Program
1st Quarter Report - April 8, 2015

Laboratory ID
general

Plant Analysis	Units	n	Plant 2015-201			Plant 2015-202			Plant 2015-203		
			Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}
Dry Matter (%)	%	27	93.6	0.490		94.5	0.310		92.0	0.440	
NO3 - N Cd Rd.	mg/kg	24	302	31.0		18.8	3.58		479	44.6	
NO3 - N ISE	mg/kg	4	500	161		60.5	19.5		634	100	
NO3 - N Other	mg/kg	5	320	39.0		487	163		556	15.9	
NH4-N	mg/kg	4	364	296		204	121		504	46.8	
PO4 - P	mg/kg	9	1370	84.0		945	112		3210	200	
SO4 - S	mg/kg	5	1510	176		331	123		1060	139	
Cl	%	24	0.766	0.045		0.210	0.020		0.191	0.026	
TKN	%	13	2.87	0.098		1.31	0.066		0.848	0.082	
N- Dry Comb.	%	60	3.01	0.061		1.40	0.040		0.909	0.042	
S- Dry Comb.	%	10	0.274	0.031		0.111	0.011		0.130	0.018	
Nitric / Perchloric											
P	%	32	0.267	0.014		0.220	0.011		0.395	0.025	
K	%	33	2.31	0.090		0.741	0.041		3.00	0.130	
Ca	%	32	1.45	0.076		0.150	0.010		1.77	0.069	
Mg	%	32	0.400	0.024		0.160	0.010		0.649	0.032	
S	%	33	0.278	0.008		0.100	0.008		0.159	0.009	
Na	%	25	0.110	0.007		0.003	0.001		0.032	0.002	
Al	mg/kg	17	209	25.3		496	30.1		88.0	10.1	
B	mg/kg	28	39.7	3.35		6.91	0.965		41.6	2.95	
Zn	mg/kg	32	23.3	1.72		35.4	2.48		65.1	3.23	
Mn	mg/kg	32	49.0	2.43		41.6	2.23		160	8.65	
Fe	mg/kg	32	228	32.8		242	28.3		104	11.5	
Cu	mg/kg	33	11.7	0.740		15.2	0.990		13.5	1.37	
Mo	mg/kg	7	1.90	0.100		2.31	0.070		0.205	0.097	

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	%	27	0.260	0.010		0.220	0.010		0.390	0.016	
K	%	27	2.26	0.110		0.730	0.040		2.92	0.130	
Ca	%	27	1.44	0.060		0.160	0.020		1.74	0.080	
Mg	%	27	0.388	0.012		0.151	0.009		0.631	0.021	
S	%	23	0.280	0.020		0.102	0.007		0.150	0.010	
Na	%	21	0.114	0.006		0.005	0.001		0.034	0.006	
Al	mg/kg	17	261	54.0		495	28.0		103	15.5	
B	mg/kg	25	41.0	3.00		6.81	1.20		42.0	3.00	
Zn	mg/kg	26	23.7	1.90		34.9	1.95		63.8	2.77	
Mn	mg/kg	27	48.8	2.22		40.7	1.09		157	7.00	
Fe	mg/kg	27	238	23.4		237	18.8		112	6.38	
Cu	mg/kg	26	12.0	1.00		15.6	0.708		13.1	0.865	
Mo	mg/kg	7	2.03	0.080		2.31	0.075		0.217	0.111	
Dry Ash											
P	%	20	0.260	0.025		0.225	0.015		0.398	0.028	
K	%	21	2.22	0.110		0.620	0.060		2.95	0.200	
Ca	%	21	1.44	0.070		0.140	0.014		1.75	0.050	
Mg	%	21	0.380	0.020		0.150	0.010		0.630	0.040	
Na	%	19	0.120	0.010		0.010	0.002		0.041	0.010	
Al	mg/kg	7	319	51.3		426	47.0		121	21.8	
B	mg/kg	22	41.8	3.37		4.87	1.12		44.0	3.70	
Zn	mg/kg	20	21.9	2.07		30.3	3.45		65.7	3.20	
Mn	mg/kg	19	47.0	5.00		34.6	2.20		152	11.1	
Fe	mg/kg	19	228	35.3		140	23.0		97.0	16.0	
Cu	mg/kg	21	11.0	1.02		10.5	1.86		14.0	1.80	
Mo	mg/kg	7	1.80	0.600		2.30	0.900		0.060	0.440	

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