



2015 North American Proficiency Testing Program
3rd Quarter Report - October 15, 2015

Laboratory ID
general

Plant Analysis	Units	n	Plant 2015-207			Plant 2015-208			Plant 2015-209		
			Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}
Dry Matter (%)	%	27	93.1	0.520		93.5	0.490		93.1	0.600	
NO3 - N Cd Rd.	mg/kg	27	2140	155		318	48.0		65.1	11.1	
NO3 - N ISE	mg/kg	4	2570	795		477	73.3		319	139	
NO3 - N Other	mg/kg	6	2380	269		310	169		430	340	
NH4-N	mg/kg	4	241	66.5		107	52.5		270	184	
PO4 - P	mg/kg	11	4670	290		1420	109		1240	75.0	
SO4 - S	mg/kg	6	1980	541		1310	164		1930	288	
Cl	%	25	0.291	0.048		0.750	0.030		0.768	0.047	
TKN	%	16	3.21	0.135		2.86	0.090		3.58	0.100	
N- Dry Comb.	%	63	3.41	0.080		3.00	0.055		3.70	0.070	
S- Dry Comb.	%	9	0.333	0.009		0.288	0.012		0.340	0.008	
Nitric / Perchloric											
P	%	36	0.610	0.038		0.251	0.011		0.250	0.011	
K	%	37	5.20	0.310		2.29	0.089		2.59	0.110	
Ca	%	37	1.73	0.124		1.45	0.066		1.96	0.114	
Mg	%	37	0.386	0.024		0.390	0.020		0.251	0.016	
S	%	33	0.326	0.018		0.280	0.013		0.331	0.013	
Na	%	31	0.034	0.004		0.112	0.003		0.030	0.003	
Al	mg/kg	18	513	51.0		208	35.4		68.0	13.4	
B	mg/kg	32	42.1	3.09		40.5	2.56		46.5	2.55	
Zn	mg/kg	37	74.0	4.00		22.3	1.30		33.0	2.00	
Mn	mg/kg	37	95.2	6.78		47.0	3.00		29.0	2.21	
Fe	mg/kg	37	886	93.6		233	26.8		106	12.3	
Cu	mg/kg	38	9.91	0.950		11.8	1.17		6.00	0.645	
Mo	mg/kg	12	3.10	0.175		1.88	0.130		3.09	0.121	

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	0.609	0.029		0.258	0.012		0.254	0.014	
K	%	27	5.25	0.154		2.22	0.079		2.53	0.060	
Ca	%	27	1.68	0.075		1.45	0.050		1.96	0.080	
Mg	%	27	0.360	0.010		0.384	0.014		0.243	0.013	
S	%	24	0.324	0.011		0.270	0.012		0.328	0.013	
Na	%	20	0.033	0.004		0.112	0.009		0.029	0.003	
Al	mg/kg	16	606	129		256	39.0		74.6	10.4	
B	mg/kg	27	40.9	2.79		40.0	2.60		45.4	3.00	
Zn	mg/kg	27	72.7	3.25		22.7	1.30		32.3	1.87	
Mn	mg/kg	27	93.3	2.57		47.6	2.60		28.5	1.67	
Fe	mg/kg	27	905	88.9		232	18.0		102	5.32	
Cu	mg/kg	27	9.56	0.560		11.5	0.500		6.00	0.400	
Mo	mg/kg	14	3.14	0.236		1.92	0.187		3.02	0.259	
Dry Ash											
P	%	18	0.620	0.030		0.260	0.010		0.260	0.011	
K	%	19	5.30	0.240		2.28	0.120		2.59	0.170	
Ca	%	19	1.67	0.120		1.42	0.100		1.88	0.120	
Mg	%	19	0.360	0.030		0.380	0.020		0.240	0.020	
Na	%	16	0.062	0.011		0.115	0.006		0.033	0.003	
Al	mg/kg	7	728	183		266	51.0		70.7	11.3	
B	mg/kg	21	42.0	2.49		41.0	2.55		46.9	2.51	
Zn	mg/kg	19	73.8	4.61		22.0	1.10		32.9	2.40	
Mn	mg/kg	19	90.1	7.53		46.0	2.65		27.8	1.93	
Fe	mg/kg	19	829	169		238	12.1		107	6.90	
Cu	mg/kg	19	9.45	1.14		11.4	0.900		6.57	0.765	
Mo	mg/kg	4	3.16	0.095		2.13	0.200		2.88	0.250	

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