



2006 North American Proficiency Testing Program
4th Quarter Report - January 20, 2007

Laboratory ID

Plant Analysis	Units	n	Plant 2006-210			Plant 2006-211			Plant 2006-212		
			Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}
Dry Matter (%)	%	35	93.5	0.56		93.3	0.59		93.8	0.50	
NO3 - N Cd Rd.	mg/kg	28	445	35.5		366	48.7		1828	123	
NO3 - N ISE	mg/kg	9	568	58.0		502	20.0		2050	280	
NO3 - N Oth.	mg/kg	5	471	17.0		416	57.0		1850	320	
NH4-N	mg/kg	4	186	47.9		520	29.8		494	17.5	
PO4 - P	mg/kg	20	1380	79.0		2784	116		957	96.5	
SO4 - S	mg/kg	8	1424	254		1147	163		11707	847	
Cl	%	20	0.61	0.06		0.16	0.07		1.93	0.08	
TKN	%	25	2.81	0.10		2.63	0.10		2.55	0.15	
N- Dry Comb.	%	55	2.97	0.10		2.72	0.10		2.76	0.10	
S- Dry Comb.	%	16	0.26	0.02		0.52	0.02		1.28	0.15	
Nitric / Perchloric											
P	%	32	0.26	0.007		0.44	0.017		0.19	0.008	
K	%	33	2.25	0.093		1.68	0.060		3.02	0.132	
Ca	%	32	1.20	0.050		1.48	0.068		3.85	0.170	
Mg	%	32	0.28	0.010		0.30	0.010		0.73	0.030	
S	%	32	0.26	0.010		0.47	0.053		1.28	0.085	
Na	%	27	0.08	0.003		0.04	0.003		0.26	0.015	
Al	mg/kg	13	195	12.0		224	34.7		223	57.5	
B	mg/kg	23	36.0	1.86		39.0	2.53		95.0	5.71	
Zn	mg/kg	31	23.3	1.04		95.0	5.07		17.0	1.30	
Mn	mg/kg	31	31.1	2.10		125	4.6		48.0	2.34	
Fe	mg/kg	31	364	38.0		230	14.0		258	41.0	
Cu	mg/kg	31	8.51	0.49		11.0	0.70		5.40	0.70	
Mo	mg/kg	6	1.15	0.04		0.61	0.26		9.00	0.54	

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}
Nitric / Perchloric- MICROWAVE											
P	%	21	0.26	0.010		0.46	0.020		0.19	0.010	
K	%	21	2.26	0.090		1.67	0.095		3.04	0.200	
Ca	%	21	1.21	0.050		1.50	0.055		3.96	0.240	
Mg	%	21	0.28	0.010		0.31	0.010		0.77	0.035	
S	%	19	0.25	0.012		0.50	0.025		1.34	0.060	
Na	%	18	0.08	0.005		0.04	0.000		0.28	0.011	
Al	mg/kg	16	235	49.1		286	21.9		419	87.9	
B	mg/kg	20	35.8	2.24		39.7	2.60		96.2	7.56	
Zn	mg/kg	21	23.0	1.03		92.6	6.53		16.3	1.70	
Mn	mg/kg	21	32.1	1.28		131	5.15		48.6	3.07	
Fe	mg/kg	21	376	51.5		239	16.1		317	43.9	
Cu	mg/kg	20	8.94	1.07		11.4	1.10		6.15	0.93	
Mo	mg/kg	7	1.04	0.35		0.69	0.63		8.94	0.56	
Dry Ash											
P	%	31	0.25	0.010		0.44	0.010		0.19	0.005	
K	%	31	2.19	0.080		1.64	0.065		2.93	0.140	
Ca	%	32	1.19	0.065		1.47	0.060		3.92	0.212	
Mg	%	32	0.27	0.010		0.29	0.010		0.73	0.037	
Na	%	25	0.09	0.008		0.04	0.009		0.27	0.014	
Al	mg/kg	12	210	20.5		247	29.1		306	99.0	
B	mg/kg	34	36.4	1.93		39.0	2.81		96.1	8.55	
Zn	mg/kg	33	23.1	2.15		94.5	6.50		16.0	1.90	
Mn	mg/kg	33	29.8	2.37		117	7.50		45.8	3.55	
Fe	mg/kg	31	284	82.8		204	51.5		232	69.3	
Cu	mg/kg	32	8.33	0.83		10.0	1.00		5.64	1.64	
Mo	mg/kg	8	0.89	0.50		0.91	0.38		7.28	1.86	

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