

2002 North American Proficiency Testing Program 2nd Quarter Report July 24, 2002

Laboratory ID

Plant	Plant 2002-204					Plant 2002-205					Plant 2002-206				
Analysis	Units	n	Median	MAD	Lab	Median	MAD	Lab	Median	MAD	Lab	Median	MAD	Lab	
Dry Matter	%	33	93.8	0.92		91.6	0.99		93.8	0.86					
NO ₃ - N Cd Rd.	mg/kg	29	12750	648		1002	58		9060	348					
NO ₃ - N ISE	mg/kg	14	13470	1430		1223	148		9580	1600					
NO ₃ - N Other	mg/kg	7	12350	4520		1030	281		8200	1700					
PO ₄ - P	mg/kg	17	2960	106		3580	220		1600	119					
SO ₄ - S	mg/kg	5	1550	112		1160	63		1380	170					
Cl	%	22	1.52	0.11		0.32	0.04		2.36	0.17					
TKN	%	35	4.25	0.32		1.04	0.05		2.05	0.17					
N-Dry Comb.	%	64	5.11	0.135		1.07	0.04		2.57	0.06					
S-Dry Comb.	%	19	0.350	0.060		0.160	0.014		0.210	0.030					
Nitric / Perchloric Digest															
P	%	42	0.42	0.019		0.440	0.020		0.260	0.010					
K	%	42	7.21	0.42		2.60	0.07		4.98	0.24					
Ca	%	42	1.40	0.06		1.86	0.11		2.31	0.09					
Mg	%	41	0.55	0.02		0.60	0.03		0.79	0.03					
S	%	39	0.36	0.017		0.16	0.010		0.22	0.015					
Na	%	32	0.047	0.007		0.050	0.010		0.18	0.014					
Al	mg/kg	19	180	59		29.0	11.4		60.1	9.9					
B	mg/kg	32	43.0	3.5		39.0	4.0		31.9	2.9					
Zn	mg/kg	41	63.0	3.5		57.1	3.1		21.8	1.6					
Mn	mg/kg	40	124	7.0		108	5.0		20.0	1.3					
Fe	mg/kg	39	290	35.0		41.1	5.1		64.2	7.8					
Cu	mg/kg	41	6.0	1.0		15.0	1.0		5.0	0.67					
Mo	mg/kg	12	1.44	0.56		0.87	0.26		2.62	0.76					

1 - Values flagged exceed Warning Limits " * " 2.5 x MAD (Median Absolute Deviation) and Control Limits " * * " 4 x MAD. "<" and "ND" values not recorded.

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Laboratory ID

Plant	Plant 2002-204				Plant 2002-205				Plant 2002-206			
Analysis	Units	<i>n</i>	Median	<i>MAD</i>	Lab	Median	<i>MAD</i>	Lab	Median	<i>MAD</i>	Lab	
Dry Ash												
P	%	34	0.42	0.010		0.43	0.019		0.26	0.010		
K	%	33	7.13	0.31		2.61	0.06		4.96	0.13		
Ca	%	35	1.36	0.05		1.85	0.05		2.33	0.06		
Mg	%	35	0.54	0.02		0.59	0.02		0.78	0.03		
Na	%	26	0.050	0.010		0.050	0.010		0.18	0.010		
Al	mg/kg	15	189	26.3		25.0	16		48.0	8.2		
B	mg/kg	36	43.3	1.8		40.0	2.0		31.1	1.3		
Zn	mg/kg	35	61.5	3.2		55.0	3.0		20.6	1.4		
Mn	mg/kg	35	122	4.5		105	4.4		19.8	1.0		
Fe	mg/kg	35	222	51.9		37.8	5.8		55.9	13		
Cu	mg/kg	35	5.6	0.77		15.0	1.0		4.82	0.62		
Mo	mg/kg	6	0.49	0.07		0.28	0.04		1.69	0.16		
Microwave Digestion												
P	%	23	0.43	0.018		0.44	0.015		0.27	0.015		
K	%	23	7.60	0.30		2.69	0.10		5.06	0.21		
Ca	%	23	1.40	0.07		1.85	0.07		2.29	0.10		
Mg	%	23	0.57	0.04		0.62	0.02		0.80	0.06		
S	%	21	0.35	0.021		0.16	0.010		0.21	0.010		
Na	%	22	0.042	0.007		0.043	0.006		0.18	0.009		
Al	mg/kg	16	172	46.1		26.0	10.0		52.2	14		
B	mg/kg	21	46.0	3.0		43.1	3.9		32.0	4.1		
Zn	mg/kg	23	61.9	3.8		57.2	4.2		21.0	1.7		
Mn	mg/kg	23	126	7.3		112.0	7.1		20.2	1.9		
Fe	mg/kg	23	264	17.0		40.0	5.5		62.2	7.8		
Cu	mg/kg	23	6.17	0.79		15.0	1.06		4.83	0.73		
Mo	mg/kg	8	0.88	0.35		0.50	0.34		2.05	0.21		

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