

2002 North American Proficiency Testing Program 1st Quarter Report June 4, 2002

Laboratory ID
6002

Plant	Analysis	Units	n	Plant	2002-201	Median	MAD	Lab	Plant	2002-202	Median	MAD	Lab	Plant	2002-203	Median	MAD	Lab
	Dry Matter	%	34		91.6	0.67				94.9	0.74				94.8	0.68		
	NO ₃ - N Cd Rd.	mg/kg	29		970	92				15720	972				50	22		
	NO ₃ - N ISE	mg/kg	17		1200	118				17400	950				227	114		
	NO ₃ - N Other	mg/kg	4		1038	290				14122	888				683	178		
	PO ₄ - P	mg/kg	17		3503	103				2050	99				1807	96		
	SO ₄ - S	mg/kg	5		1090	414				1039	562				1490	852		
	Cl	%	20		0.31	0.07				2.45	0.21				1.19	0.13		
	TKN	%	35		1.00	0.04				2.84	0.25				2.17	0.09		
	N - Dry Comb.	%	61		1.07	0.034				3.95	0.10				2.30	0.05		
	S - Dry Comb.	%	15		0.170	0.025				0.240	0.020				0.308	0.028		
Nitric / Perchloric Digest																		
	P	%	47		0.44	0.020				0.396	0.015				0.290	0.013		
	K	%	46		2.61	0.14				9.31	0.78				2.58	0.19		
	Ca	%	47		1.90	0.10				1.28	0.05				0.56	0.03		
	Mg	%	46		0.62	0.02				0.71	0.03				0.28	0.02		
	S	%	42		0.17	0.015				0.23	0.010				0.30	0.010		
	Na	%	37		0.050	0.010				0.100	0.010				0.07	0.010		
	Al	mg/kg	24		33.4	12				130	21				173	33		
	B	mg/kg	34		39.0	3.2				27.7	3.0				11.0	1.7		
	Zn	mg/kg	45		57.0	2.1				47.7	3.3				18.0	2.0		
	Mn	mg/kg	44		108	5.8				77.0	5.0				42	2.4		
	Fe	mg/kg	43		42.0	8.0				223	19.1				484	54		
	Cu	mg/kg	45		15.0	1.0				13.0	1.0				6.1	0.9		
	Mo	mg/kg	8		0.89	0.33				0.85	0.34				1.53	0.41		

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



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Plant	Plant 2002-201				Plant 2002-202				Plant 2002-203			
Analysis	Units	<i>n</i>	Median	<i>MAD</i>	Lab	Median	<i>MAD</i>	Lab	Median	<i>MAD</i>	Lab	
Dry Ash												
P	%	37	0.44	0.020		0.38	0.014		0.28	0.010		
K	%	35	2.60	0.10		9.20	0.41		2.36	0.15		
Ca	%	37	1.86	0.11		1.24	0.04		0.52	0.03		
Mg	%	37	0.60	0.02		0.68	0.02		0.25	0.01		
Na	%	25	0.05	0.010		0.10	0.014		0.06	0.003		
Al	mg/kg	14	29.3	5.7		133	21		138	39		
B	mg/kg	38	39.6	1.8		27.8	1.6		9.9	0.9		
Zn	mg/kg	36	55.1	3.9		45.0	2.9		14.4	1.9		
Mn	mg/kg	37	106	6.7		75.0	3.0		34	3.3		
Fe	mg/kg	36	36.6	6.0		201	38		281	97		
Cu	mg/kg	35	15.0	1.0		12.8	1.1		3.15	0.85		
Mo	mg/kg	5	1.16	0.63		0.80	0.28		1.43	0.20		
Microwave Digestion												
P	%	20	0.44	0.013		0.39	0.010		0.29	0.010		
K	%	19	2.61	0.13		9.50	0.37		2.56	0.16		
Ca	%	20	1.88	0.09		1.30	0.05		0.56	0.03		
Mg	%	20	0.62	0.04		0.72	0.03		0.28	0.02		
S	%	17	0.16	0.010		0.23	0.015		0.29	0.015		
Na	%	18	0.05	0.009		0.10	0.01		0.07	0.008		
Al	mg/kg	13	29.0	1.8		130	22		177	21		
B	mg/kg	17	41.9	3.7		28.5	2.0		10.2	1.4		
Zn	mg/kg	20	57.2	3.3		48.0	3.7		17.8	1.9		
Mn	mg/kg	20	110	7.1		79.9	4.2		43.0	3.0		
Fe	mg/kg	20	39.6	8.7		218	13		452	53		
Cu	mg/kg	20	14.8	0.89		12.8	1.10		5.2	1.0		
Mo	mg/kg	4	0.60	0.41		0.69	0.25		1.50	0.75		

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