



NAFT Program  
North American Proficiency Testing

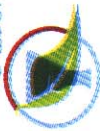
## 2005 North American Proficiency Testing Program 2<sup>nd</sup> Quarter Report August 17, 2005



Laboratory ID  
6002

Plant	Analysis	Units	Plant 2005-204		Plant 2005-205		Plant 2005-206		
			Median	MAD	Median	MAD	Median	MAD	
		n	Lab	Lab	Lab	Lab	Lab	Lab	
	Dry Matter	39	91.8	0.77	92.0	0.59	93.7	1.00	
	NO <sub>3</sub> - N Cd Rd.	34	8432	828	101	23	955	86	
	NO <sub>3</sub> - N ISE	12	8770	990	183	35	1394	84	
	NO <sub>3</sub> - N Other	2	8445	845	98	31	932	28	
	NH <sub>4</sub> -N	3	416	132	143	94	123	88	
	PO <sub>4</sub> - P	21	2728	116	790	70	1480	77	
	SO <sub>4</sub> - S	6	1917	211	910	268	627	65	
	Cl	26	3.37	0.30	0.20	0.09	0.43	0.06	
	TKN	28	2.57	0.170	2.46	0.09	2.88	0.12	
	N-Dry Comb.	62	3.10	0.072	2.51	0.066	3.02	0.047	
	S-Dry Comb.	17	0.320	0.050	0.260	0.020	0.265	0.029	
	Nitric / Perchloric / H <sub>2</sub> O <sub>2</sub> Digest								
	P	44	0.390	0.020	0.130	0.008	0.297	0.009	
	K	43	5.46	0.40	1.01	0.06	2.39	0.10	
	Ca	43	2.42	0.18	4.51	0.19	0.79	0.04	
	Mg	43	0.99	0.053	0.36	0.013	0.33	0.01	
	S	41	0.322	0.012	0.264	0.014	0.232	0.012	
	Na	33	0.450	0.030	0.021	0.003	0.030	0.006	
	Al	18	167	39	169	31.8	95.2	17	
	B	33	36.0	2.3	98.6	5.0	15.2	1.8	
	Zn	42	59.8	2.6	68.2	2.6	43.7	3.4	
	Mn	42	51.0	2.1	46.6	1.6	62.8	3.0	
	Fe	42	193	17.4	196	9.4	182	19.9	
	Cu	41	14.1	1.0	25.0	1.10	12.0	0.80	
	Mo	8	0.862	0.372	0.380	0.210	0.802	0.501	

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.



NAAPT Program  
North American Proficiency Testing

## 2005 North American Proficiency Testing Program 2<sup>nd</sup> Quarter Report August 17, 2005



Laboratory ID  
6002

Analysis	Units	Plant 2005-204		Plant 2005-205		Plant 2005-206		
		Median	MAD	Lab	Median	MAD	Lab	
<b>Dry Ash</b>								
P	%	37	0.380	0.010	0.130	0.008	0.296	0.014
K	%	36	5.29	0.30	0.96	0.05	2.36	0.11
Ca	%	36	2.41	0.11	4.39	0.11	0.77	0.04
Mg	%	36	0.98	0.047	0.34	0.017	0.32	0.02
Na	%	32	0.450	0.026	0.021	0.003	0.030	0.002
Al	mg/kg	17	162	38	162	23	77.8	9.8
B	mg/kg	38	35.3	1.8	98.3	4.6	15.6	1.4
Zn	mg/kg	38	58.2	2.9	65.1	2.9	40.1	2.0
Mn	mg/kg	38	48.2	2.3	42.2	2.9	60.0	3.5
Fe	mg/kg	35	160	29	158	28	139	29
Cu	mg/kg	36	14.0	1.55	23.8	1.87	11.0	1.01
Mo	mg/kg	8	0.495	0.116	0.630	0.365	0.687	0.347
<b>Microwave Digestion</b>								
P	%	16	0.400	0.010	0.130	0.004	0.304	0.015
K	%	16	5.55	0.22	1.03	0.05	2.43	0.10
Ca	%	16	2.46	0.05	4.48	0.16	0.78	0.03
Mg	%	16	1.03	0.04	0.35	0.020	0.34	0.01
S	%	16	0.329	0.021	0.267	0.013	0.240	0.010
Na	%	15	0.479	0.034	0.020	0.004	0.030	0.005
Al	mg/kg	15	179	32	173	21	97.8	19.9
B	mg/kg	16	36.1	1.8	101	3.8	14.8	1.5
Zn	mg/kg	16	61.6	3.3	69.3	1.8	43.3	2.7
Mn	mg/kg	16	53	1.6	48.7	1.78	63.9	2.0
Fe	mg/kg	16	193	12	198	10.6	191	18
Cu	mg/kg	16	14.9	1.27	25.6	1.63	12.7	1.5
Mo	mg/kg	7	1.020	0.342	0.298	0.202	1.047	0.427

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