



NAAPT Program
North American Proficiency Testing

2005 North American Proficiency Testing Program 4th Quarter Report January 23, 2006



SOP Science
Society of America

Laboratory ID

Plant	Plant 2005-210				Plant 2005-211				Plant 2005-212			
Analysis	Units	n	Median	MAD	Lab	Median	MAD	Lab	Median	MAD	Lab	Lab
Dry Matter	%	29	93.8	0.87		92.0	0.75		93.5	0.79		
NO ₃ - N Cd Rd.	mg/kg	33	6180	375		100	37		9200	730		
NO ₃ - N ISE	mg/kg	11	6730	279		167	47		10400	527		
NO ₃ - N Other	mg/kg	5	6300	701		331	456		9230	1367		
NH ₄ -N	mg/kg	2	86	57		55	43		210	67		
PO ₄ - P	mg/kg	22	1120	58		802	57		2610	108		
SO ₄ - S	mg/kg	5	2030	271		753	271		1470	234		
Cl	%	26	1.97	0.12		0.16	0.055		1.89	0.11		
TKN	%	25	2.17	0.168		2.47	0.050		2.15	0.10		
N-Dry Comb.	%	60	2.64	0.060		2.54	0.071		2.77	0.055		
S-Dry Comb.	%	15	0.305	0.041		0.252	0.006		0.197	0.029		
Nitric / Perchloric / H ₂ O ₂ Digest												
P	%	38	0.196	0.012		0.130	0.010		0.358	0.017		
K	%	37	5.44	0.34		0.99	0.05		6.51	0.19		
Ca	%	37	1.37	0.06		4.42	0.13		1.54	0.06		
Mg	%	37	0.58	0.030		0.35	0.011		0.57	0.02		
S	%	36	0.340	0.020		0.268	0.020		0.210	0.008		
Na	%	30	0.020	0.006		0.020	0.003		0.021	0.002		
Al	mg/kg	14	465	96		160	30		18.2	10.8		
B	mg/kg	28	23.0	2.0		96.5	5.1		28.4	1.9		
Zn	mg/kg	36	59.4	3.1		67.0	2.5		25.0	1.1		
Mn	mg/kg	36	317.5	17.5		48	2.1		23	1.0		
Fe	mg/kg	36	522	44.4		199	10		27	3.1		
Cu	mg/kg	36	59.7	2.5		25.5	1.5		5.0	0.96		
Mo	mg/kg	5	0.630	0.67		0.557	0.160		0.350	0.345		

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



NAPT Program
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Plant	Plant	2005-210	Plant	2005-211	Plant	2005-212		
Analysis	Units	Median	MAD	Lab	Median	MAD	Lab	
Dry Ash								
P	%	31	0.190	0.005	0.130	0.000	0.351	0.010
K	%	32	5.19	0.36	0.96	0.05	6.25	0.47
Ca	%	31	1.33	0.05	4.41	0.20	1.51	0.06
Mg	%	31	0.57	0.022	0.35	0.019	0.57	0.03
Na	%	25	0.030	0.010	0.022	0.004	0.030	0.010
Al	mg/kg	15	525	87	145	25	25.7	13.0
B	mg/kg	33	23.0	1.4	98.0	3.5	27.9	1.2
Zn	mg/kg	33	55.3	3.3	64.5	2.1	24.5	1.2
Mn	mg/kg	33	272	34.9	41.0	4.3	22.3	1.3
Fe	mg/kg	30	380	76	139	20	21.4	3.3
Cu	mg/kg	32	55.2	4.00	23.6	1.70	4.2	0.95
Mo	mg/kg	8	0.701	0.310	0.465	0.211	0.460	0.301
Microwave Digestion								
P	%	17	0.190	0.010	0.130	0.010	0.340	0.027
K	%	17	5.53	0.27	1.03	0.03	6.31	0.35
Ca	%	17	1.38	0.05	4.50	0.28	1.55	0.07
Mg	%	17	0.59	0.02	0.36	0.017	0.59	0.03
S	%	17	0.340	0.014	0.260	0.021	0.200	0.015
Na	%	16	0.020	0.004	0.020	0.003	0.023	0.003
Al	mg/kg	15	471	77	162	27	23.0	7.1
B	mg/kg	17	26.5	2.4	102	6.7	28.0	1.8
Zn	mg/kg	17	59.5	2.7	68.0	5.7	25.0	2.7
Mn	mg/kg	17	328.0	13.2	48.9	2.4	24.6	2.7
Fe	mg/kg	17	503	74.0	198	10	28.8	5.6
Cu	mg/kg	17	62.0	3.5	26.0	1.9	4.7	0.9
Mo	mg/kg	8	1.19	0.63	0.87	0.20	0.520	0.190

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