2008 North American Proficiency Testing Program
2nd Quarter Report - July 5, 2008

Laboratory ID

Plant			Plant 2008-204			Plant 2008-205			Plant 2008-206		
Analysis	**Units**	***n***	**Median**	***MAD***	**Lab[1,2]**	**Median**	***MAD***	**Lab[1,2]**	**Median**	***MAD***	**Lab[1,2]**
Dry Matter (%)	%	22	**94.0**	*1.0*		**92.3**	*1.0*		**94.4**	*1.00*	
NO3 - N Cd Rd.	mg/kg	24	**5087**	*594*		**35.0**	*21.7*		**128**	*21.5*	
NO3 - N ISE	mg/kg	4	**5995**	*148*		**73.5**	*16.5*		**288**	*42.5*	
NO3 - N Other	mg/kg	4	**4500**	*550*		**85.7**	*43.0*		**465**	*159*	
NH4-N	mg/kg	3	**485**	*54.0*		**32.0**	*0.20*		**173**	*65.0*	
PO4 - P	mg/kg	14	**1723**	*207*		**451**	*54.0*		**1515**	*220*	
SO4 - S	mg/kg	7	**1660**	*144*		**109**	*28.0*		**681**	*66.3*	
Cl	%	16	**1.534**	*0.168*		**0.135**	*0.020*		**0.507**	*0.036*	
TKN	%	21	**2.97**	*0.170*		**1.99**	*0.040*		**2.66**	*0.090*	
N- Dry Comb.	%	43	**3.26**	*0.080*		**1.98**	*0.150*		**2.73**	*0.127*	
S- Dry Comb.	%	10	**0.350**	*0.070*		**0.146**	*0.036*		**0.227**	*0.045*	
Nitric / Perchloric											
P	%	30	**0.271**	*0.011*		**0.320**	*0.010*		**0.228**	*0.012*	
K	%	30	**4.743**	*0.202*		**0.460**	*0.125*		**2.480**	*0.090*	
Ca	%	30	**2.440**	*0.120*		**0.077**	*0.014*		**1.071**	*0.065*	
Mg	%	30	**0.846**	*0.033*		**0.131**	*0.014*		**0.317**	*0.015*	
S	%	30	**0.330**	*0.020*		**0.135**	*0.012*		**0.213**	*0.013*	
Na	%	24	**0.050**	*0.004*		**0.020**	*0.003*		**0.090**	*0.004*	
Al	mg/kg	14	**1041**	*211*		**36.1**	*10.4*		**602**	*94.2*	
B	mg/kg	24	**32.0**	*2.62*		**2.40**	*1.42*		**34.3**	*3.51*	
Zn	mg/kg	30	**29.0**	*1.65*		**34.2**	*2.01*		**18.7**	*1.47*	
Mn	mg/kg	30	**76.9**	*4.35*		**18.5**	*1.42*		**51.5**	*2.51*	
Fe	mg/kg	29	**1325**	*208*		**52.5**	*9.24*		**533**	*66.7*	
Cu	mg/kg	30	**9.69**	*1.01*		**7.86**	*0.86*		**7.01**	*0.86*	
Mo	mg/kg	10	**0.99**	*0.245*		**1.27**	*0.20*		**2.19**	*0.39*	

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2 - Limits not compared to lab data for methods with < 7 labs reporting.

Plant			Plant 2008-204			Plant 2008-205			Plant 2008-206		
Analysis	**Units**	***n***	**Median**	***MAD***	**Lab[1,2]**	**Median**	***MAD***	**Lab[1,2]**	**Median**	***MAD***	**Lab[1,2]**
Nitric / Perchloric- MICROWAVE											
P	%	19	**0.280**	*0.010*		**0.340**	*0.018*		**0.240**	*0.008*	
K	%	19	**4.880**	*0.018*		**0.470**	*0.130*		**2.510**	*0.090*	
Ca	%	19	**2.520**	*0.080*		**0.078**	*0.072*		**1.080**	*0.050*	
Mg	%	19	**0.869**	*0.033*		**0.134**	*0.004*		**0.320**	*0.029*	
S	%	18	**0.335**	*0.015*		**0.140**	*0.005*		**0.228**	*0.008*	
Na	%	16	**0.051**	*0.001*		**0.020**	*0.001*		**0.091**	*0.002*	
Al	mg/kg	13	**1165**	*225*		**36.1**	*5.10*		**672**	*96.3*	
B	mg/kg	17	**36.2**	*2.83*		**2.59**	*1.10*		**36.0**	*2.00*	
Zn	mg/kg	19	**31.0**	*1.60*		**36.3**	*3.04*		**21.0**	*1.76*	
Mn	mg/kg	19	**79.0**	*3.40*		**20.0**	*2.60*		**54.0**	*2.00*	
Fe	mg/kg	19	**1404**	*190*		**56.0**	*5.00*		**547**	*97.5*	
Cu	mg/kg	19	**10.1**	*1.09*		**8.49**	*0.89*		**8.04**	*0.24*	
Mo	mg/kg	7	**1.31**	*0.17*		**1.41**	*0.17*		**2.66**	*0.08*	
Dry Ash											
P	%	20	**0.271**	*0.011*		**0.325**	*0.010*		**0.230**	*0.013*	
K	%	20	**4.765**	*0.265*		**0.444**	*0.128*		**2.425**	*0.088*	
Ca	%	21	**2.450**	*0.150*		**0.071**	*0.012*		**1.040**	*0.068*	
Mg	%	21	**0.826**	*0.034*		**0.125**	*0.009*		**0.295**	*0.015*	
Na	%	14	**0.070**	*0.012*		**0.020**	*0.002*		**0.100**	*0.010*	
Al	mg/kg	10	**1313**	*264*		**25.0**	*5.54*		**731**	*131*	
B	mg/kg	22	**33.6**	*3.10*		**2.03**	*1.00*		**34.0**	*2.78*	
Zn	mg/kg	21	**28.9**	*3.45*		**33.8**	*1.85*		**18.0**	*2.00*	
Mn	mg/kg	21	**71.7**	*6.74*		**18.1**	*1.00*		**50.8**	*3.38*	
Fe	mg/kg	20	**1253**	*247*		**46.4**	*6.05*		**520**	*68.7*	
Cu	mg/kg	20	**10.5**	*1.34*		**7.97**	*1.10*		**7.55**	*0.55*	
Mo	mg/kg	7	**2.00**	*0.96*		**1.09**	*0.15*		**2.96**	*1.38*	

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