# 2008 North American Proficiency Testing Program
## 3rd Quarter Report - September 7, 2008

**Laboratory ID**

| Plant | | | Plant 2008-207 | | | Plant 2008-208 | | | Plant 2008-209 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Analysis** | **Units** | ***n*** | **Median** | ***MAD*** | **Lab[1,2]** | **Median** | ***MAD*** | **Lab[1,2]** | **Median** | ***MAD*** | **Lab[1,2]** |
| **Dry Matter (%)** | % | 27 | **93.6** | *3.7* | | **91.8** | *3.7* | | **92.0** | *3.68* | |
| **NO3 - N Cd Rd.** | mg/kg | 22 | **1236** | *160* | | **489** | *61.0* | | **20.0** | *15.8* | |
| **NO3 - N ISE** | mg/kg | 5 | **1586** | *316* | | **958** | *231* | | **58.0** | *38.0* | |
| **NO3 - N Other** | mg/kg | 3 | **1340** | *412* | | **585** | *193* | | **120** | *26.0* | |
| **NH4-N** | mg/kg | 3 | **611** | *201* | | **640** | *10.3* | | **48.2** | *14.8* | |
| **PO4 - P** | mg/kg | 13 | **1800** | *111* | | **3211** | *128* | | **520** | *130* | |
| **SO4 - S** | mg/kg | 6 | **5684** | *1366* | | **1006** | *180* | | **252** | *136* | |
| **Cl** | % | 17 | **1.236** | *0.094* | | **0.220** | *0.050* | | **0.130** | *0.027* | |
| **TKN** | % | 17 | **4.680** | *0.199* | | **0.870** | *0.073* | | **1.940** | *0.130* | |
| **N- Dry Comb.** | % | 48 | **5.050** | *0.080* | | **0.893** | *0.150* | | **1.985** | *0.127* | |
| **S- Dry Comb.** | % | 13 | **0.820** | *0.129* | | **0.157** | *0.037* | | **0.150** | *0.059* | |
| | | | | | | | | | | | |
| **Nitric / Perchloric** | | | | | | | | | | | |
| **P** | % | 28 | **0.392** | *0.023* | | **0.380** | *0.020* | | **0.310** | *0.020* | |
| **K** | % | 28 | **2.630** | *0.122* | | **2.893** | *0.125* | | **0.460** | *0.090* | |
| **Ca** | % | 29 | **3.540** | *0.242* | | **1.770** | *0.066* | | **0.080** | *0.019* | |
| **Mg** | % | 29 | **0.680** | *0.026* | | **0.628** | *0.024* | | **0.130** | *0.010* | |
| **S** | % | 25 | **0.929** | *0.042* | | **0.150** | *0.010* | | **0.130** | *0.010* | |
| **Na** | % | 23 | **0.200** | *0.020* | | **0.036** | *0.006* | | **0.020** | *0.002* | |
| **Al** | mg/kg | 15 | **386** | *74.5* | | **94.1** | *16.5* | | **33.0** | *4.36* | |
| **B** | mg/kg | 23 | **76.0** | *6.90* | | **42.0** | *5.08* | | **2.66** | *1.22* | |
| **Zn** | mg/kg | 28 | **32.6** | *1.60* | | **63.3** | *3.13* | | **35.1** | *1.56* | |
| **Mn** | mg/kg | 28 | **96.8** | *4.43* | | **156** | *7.0* | | **18.9** | *0.76* | |
| **Fe** | mg/kg | 27 | **398** | *55.9* | | **111** | *8.0* | | **48.3** | *3.70* | |
| **Cu** | mg/kg | 28 | **12.0** | *1.00* | | **13.1** | *0.89* | | **7.97** | *0.66* | |
| **Mo** | mg/kg | 8 | **1.29** | *0.180* | | **0.373** | *0.279* | | **1.34** | *0.128* | |

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

| Plant | | | Plant 2008-207 | | | Plant 2008-208 | | | Plant 2008-209 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Analysis** | **Units** | ***n*** | **Median** | ***MAD*** | **Lab[1,2]** | **Median** | ***MAD*** | **Lab[1,2]** | **Median** | ***MAD*** | **Lab[1,2]** |
| **Nitric / Perchloric- MICROWAVE** | | | | | | | | | | | |
| **P** | % | 18 | **0.400** | *0.018* | | **0.391** | *0.020* | | **0.320** | *0.014* | |
| **K** | % | 18 | **2.613** | *0.105* | | **2.890** | *0.130* | | **0.470** | *0.090* | |
| **Ca** | % | 18 | **3.579** | *0.210* | | **1.773** | *0.072* | | **0.070** | *0.010* | |
| **Mg** | % | 18 | **0.669** | *0.057* | | **0.638** | *0.025* | | **0.130** | *0.029* | |
| **S** | % | 18 | **0.910** | *0.045* | | **0.150** | *0.010* | | **0.140** | *0.010* | |
| **Na** | % | 17 | **0.190** | *0.007* | | **0.034** | *0.004* | | **0.020** | *0.001* | |
| **Al** | mg/kg | 12 | **470** | *110.9* | | **94.0** | *30.0* | | **32.0** | *5.73* | |
| **B** | mg/kg | 16 | **71.9** | *2.83* | | **43.7** | *1.74* | | **2.48** | *0.799* | |
| **Zn** | mg/kg | 18 | **31.4** | *1.91* | | **62.9** | *3.75* | | **33.4** | *3.94* | |
| **Mn** | mg/kg | 18 | **97.8** | *3.93* | | **159** | *6.4* | | **19.0** | *1.07* | |
| **Fe** | mg/kg | 18 | **361** | *85.7* | | **105** | *5.7* | | **51.6** | *5.17* | |
| **Cu** | mg/kg | 18 | **11.3** | *1.65* | | **13.1** | *1.10* | | **7.47** | *0.741* | |
| **Mo** | mg/kg | 7 | **1.32** | *0.324* | | **0.481** | *0.356* | | **1.16** | *0.140* | |
| **Dry Ash** | | | | | | | | | | | |
| **P** | % | 21 | **0.390** | *0.019* | | **0.380** | *0.015* | | **0.320** | *0.013* | |
| **K** | % | 21 | **2.560** | *0.160* | | **2.870** | *0.128* | | **0.464** | *0.088* | |
| **Ca** | % | 22 | **3.500** | *0.289* | | **1.711** | *0.100* | | **0.069** | *0.068* | |
| **Mg** | % | 22 | **0.650** | *0.035* | | **0.620** | *0.025* | | **0.126** | *0.006* | |
| **Na** | % | 16 | **0.210** | *0.020* | | **0.040** | *0.010* | | **0.020** | *0.002* | |
| **Al** | mg/kg | 9 | **442** | *119* | | **115** | *15.0* | | **25.2** | *4.77* | |
| **B** | mg/kg | 22 | **70.5** | *5.15* | | **41.8** | *1.73* | | **2.00** | *1.000* | |
| **Zn** | mg/kg | 22 | **31.0** | *2.90* | | **62.4** | *4.22* | | **34.3** | *1.57* | |
| **Mn** | mg/kg | 22 | **90.1** | *6.05* | | **149** | *7.7* | | **18.0** | *1.26* | |
| **Fe** | mg/kg | 21 | **378** | *152* | | **99.5** | *22.0* | | **44.3** | *6.88* | |
| **Cu** | mg/kg | 22 | **11.2** | *1.00* | | **13.4** | *1.31* | | **7.46** | *0.703* | |
| **Mo** | mg/kg | 4 | **1.50** | *0.770* | | **1.00** | *0.500* | | **0.964** | *0.416* | |

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