Soil Science Society of America

2001 North American Proficiency Testing Program

3rd Quarter Report October 29, 2001

Laboratory ID

Plant			Plant 01-207			Plant 01-208			Plant 01-209		
Analysis	**Units**	**N**	**Median**	***MAD***	**Lab**	**Median**	***MAD***	**Lab**	**Median**	***MAD***	**Lab**
Dry Matter	%	32	**93.5**	*0.80*		**93.5**	*0.62*		**93.0**	*0.97*	
NO_3 - N Cd Rd.	mg/kg	21	**9120**	*462*		**48**	*38*		**288**	*38*	
NO_3 - N ISE	mg/kg	17	**9570**	*539*		**117**	*102*		**400**	*82*	
NO_3 - N Oth.	mg/kg	7	**8440**	*713*		**200**	*131*		**400**	*171*	
PO_4 - P	mg/kg	19	**1570**	*65*		**2400**	*200*		**1900**	*162*	
SO_4 - S	mg/kg	7	**1310**	*161*		**281**	*111*		**1220**	*142*	
Cl	%	24	**2.33**	*0.20*		**0.13**	*0.09*		**0.87**	*0.17*	
TKN	%	32	**2.09**	*0.18*		**1.70**	*0.07*		**2.06**	*0.08*	
N- Dry Comb.	%	60	**2.61**	*0.07*		**1.77**	*0.05*		**2.17**	*0.07*	
S- Dry Comb.	%	14	**0.23**	*0.02*		**0.109**	*0.023*		**0.24**	*0.05*	
Nitric / Perchloric											
P	%	45	**0.27**	*0.017*		**0.40**	*0.020*		**0.29**	*0.017*	
K	%	48	**5.11**	*0.21*		**1.56**	*0.08*		**2.57**	*0.14*	
Ca	%	45	**2.31**	*0.07*		**2.55**	*0.12*		**1.07**	*0.05*	
Mg	%	44	**0.78**	*0.03*		**0.54**	*0.03*		**0.21**	*0.01*	
S	%	41	**0.22**	*0.01*		**0.110**	*0.010*		**0.22**	*0.02*	
Na	%	38	**0.18**	*0.011*		**0.020**	*0.010*		**0.46**	*0.027*	
Al	mg/kg	22	**50.0**	*9*		**96.5**	*18.0*		**798**	*130*	
B	mg/kg	35	**32.4**	*3.4*		**51.9**	*4.3*		**33.0**	*3.1*	
Zn	mg/kg	44	**21.5**	*1.7*		**17.0**	*2.0*		**27.0**	*2.6*	
Mn	mg/kg	43	**20.0**	*1.0*		**53.0**	*3.0*		**100**	*3.8*	
Fe	mg/kg	42	**63.3**	*11.0*		**151**	*21.8*		**1170**	*89*	
Cu	mg/kg	44	**5.0**	*1.0*		**9.6**	*1.4*		**7.0**	*1.0*	
Mo	mg/kg	12	**2.06**	*0.27*		**0.53**	*0.14*		**0.54**	*0.45*	

1 - Values flagged exceed Warning Limits " * " based on 2.5 x MAD (Median Absolute Deviation) and Control Limits " ** " based on 4 x MAD.

Plant			Plant 01-207			Plant 01-208			Plant 01-209		
Analysis	**Units**		**Median**	***MAD***	**Lab**	**Median**	***MAD***	**Lab**	**Median**	***MAD***	**Lab**
Dry Ash											
P	%	36	0.26	0.010		0.39	0.020		0.29	0.018	
K	%	34	5.02	0.21		1.53	0.04		2.55	0.09	
Ca	%	37	2.35	0.12		2.61	0.12		1.06	0.04	
Mg	%	37	0.78	0.03		0.55	0.02		0.21	0.01	
Na	%	25	0.19	0.015		0.018	0.006		0.46	0.02	
Al	mg/kg	13	50.2	6.3		90.5	5.6		976	145	
B	mg/kg	38	30.4	1.6		52.0	3.5		33.7	2.3	
Zn	mg/kg	36	20.0	1.3		14.9	1.1		25.3	1.7	
Mn	mg/kg	37	19.6	1.5		52.8	2.8		96	5.6	
Fe	mg/kg	35	53.0	7.0		128	14.6		1020	146	
Cu	mg/kg	34	5.0	0.65		9.5	1.10		7.0	0.90	
Mo	mg/kg	7	1.71	0.13		0.44	0.31		0.51	0.26	
Microwave											
P	%	15	0.26	0.014		0.39	0.030		0.29	0.010	
K	%	15	5.08	0.24		1.57	0.06		2.57	0.14	
Ca	%	15	2.35	0.10		2.58	0.10		1.06	0.07	
Mg	%	14	0.77	0.04		0.55	0.02		0.22	0.01	
S	%	14	0.21	0.010		0.11	0.003		0.22	0.01	
Na	%	12	0.19	0.010		0.016	0.004		0.47	0.030	
Al	mg/kg	8	63	8.3		108	12.7		947	86.5	
B	mg/kg	12	29.9	2.3		54.8	2.7		33.5	1.5	
Zn	mg/kg	15	20.8	0.80		15.7	1.6		26.5	1.5	
Mn	mg/kg	15	19.3	1.7		53.0	3.9		102	4.9	
Fe	mg/kg	15	61.6	5.4		137	13.0		1120	67	
Cu	mg/kg	15	4.1	0.30		9.2	0.55		6.6	0.53	
Mo	mg/kg	1	2.26	-		-	-		0.82	-	

1 - Values flagged exceed Warning Limits " * " based on 2.5 x MAD (Median Absolute Deviation) and Control Limits " ** " based on 4 x MAD.