



2018 North American Proficiency Testing Program  
Quarter 1 Plant Report - Apr 09, 2018

Laboratory ID  
general

Plant Analysis	Units	n	Plant 2018-201			Plant 2018-202			Plant 2018-203		
			Median	MAD	Lab <sup>1,2</sup>	Median	MAD	Lab <sup>1,2</sup>	Median	MAD	Lab <sup>1,2</sup>
Dry Matter (%)	%	24	94.8	0.550		91.6	0.500		91.4	0.555	
NO3 - N Cd Rd.	mg/kg	24	17.3	2.54		7480	500		205	18.0	
NO3 - N ISE	mg/kg	4	284	200		7430	937		269	45.0	
NO3 - N Other	mg/kg	2	59.7	10.3		7760	304		207	19.4	
NH4-N	mg/kg	1	30.0	0.000		660	150		380	30.0	
PO4 - P	mg/kg	10	518	29.7		2530	127		2981	114	
SO4 - S	mg/kg	4	365	60.5		1890	308		1186	190	
Cl	%	21	0.070	0.008		3.43	0.180		0.160	0.030	
TKN	%	13	1.84	0.051		2.58	0.090		0.78	0.053	
N- Dry Comb.	%	66	1.85	0.048		2.98	0.050		0.80	0.047	
S- Dry Comb.	%	9	0.138	0.015		0.335	0.015		0.157	0.027	
<b>Nitric / Perchloric</b>											
P	%	32	0.152	0.008		0.350	0.021		0.373	0.014	
K	%	32	1.75	0.062		5.09	0.305		2.71	0.160	
Ca	%	33	2.26	0.088		2.31	0.110		1.99	0.080	
Mg	%	33	0.630	0.040		1.09	0.070		0.711	0.041	
S	%	30	0.140	0.010		0.330	0.012		0.161	0.010	
Na	%	24	0.008	0.001		0.600	0.030		0.036	0.004	
Al	mg/kg	16	74.5	8.09		124	12.6		39	3.45	
B	mg/kg	28	54.6	3.91		35.5	2.57		44.1	2.78	
Zn	mg/kg	33	17.4	1.39		57.6	3.42		58.4	2.58	
Mn	mg/kg	33	52.0	2.00		51.0	2.00		162	9.00	
Fe	mg/kg	33	119	16.3		181	16.5		46	5.73	
Cu	mg/kg	34	7.00	0.700		9.55	0.610		17.26	1.26	
Mo	mg/kg	9	0.140	0.030		0.746	0.068		0.390	0.049	
<b>Nitric / Peroxide- MICROWAVE</b>											
P	%	34	0.158	0.008		0.352	0.017		0.370	0.014	
K	%	35	1.70	0.034		5.07	0.244		2.63	0.080	
Ca	%	35	2.19	0.080		2.31	0.096		1.97	0.065	
Mg	%	35	0.600	0.024		1.09	0.050		0.687	0.027	
S	%	30	0.130	0.008		0.328	0.021		0.150	0.010	
Na	%	30	0.007	0.001		0.587	0.029		0.036	0.004	
Al	mg/kg	26	99.6	22.4		176	41.2		47	7.22	
B	mg/kg	35	53.8	2.83		36.4	1.89		45.0	2.58	
Zn	mg/kg	35	17.0	1.20		56.1	2.64		56.4	2.10	
Mn	mg/kg	35	51.5	2.21		51.7	3.10		163	9.80	
Fe	mg/kg	35	128	11.0		198	12.0		50	4.03	
Cu	mg/kg	35	7.02	0.520		9.84	0.429		18.00	1.00	
Mo	mg/kg	12	0.173	0.014		0.740	0.060		0.315	0.029	
<b>Dry Ash</b>											
P	%	16	0.150	0.005		0.350	0.020		0.375	0.022	
K	%	16	1.67	0.090		5.09	0.215		2.65	0.130	
Ca	%	16	2.13	0.087		2.30	0.090		1.88	0.070	
Mg	%	16	0.603	0.030		1.07	0.066		0.685	0.034	
Na	%	13	0.020	0.003		0.608	0.051		0.042	0.008	
Al	mg/kg	4	114	20.0		210	13.1		49	5.75	
B	mg/kg	17	51.9	3.29		35.3	2.90		44.8	1.50	
Zn	mg/kg	16	17.9	1.77		56.5	4.30		56.3	3.55	
Mn	mg/kg	16	50.1	2.59		50.6	4.05		161	5.76	
Fe	mg/kg	16	110	16.2		188	14.3		48	6.98	
Cu	mg/kg	16	7.49	0.565		10.5	0.925		17.09	1.06	
Mo	mg/kg	2	0.345	0.165		0.769	0.012		0.459	0.049	