



2018 North American Proficiency Testing Program
Quarter 2 Plant Report - Jul 23, 2018

Laboratory ID

general

Plant	Plant 2018-204					Plant 2018-205			Plant 2018-206		
Analysis	Units	n	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}
Dry Matter (%)	%	24	94.9	0.641		91.4	0.665		94.2	0.640	
NO3 - N Cd Rd.	mg/kg	23	371	25.0		181	17.5		16400	1680	
NO3 - N ISE	mg/kg	3	483	57.0		286	13.0		16900	293	
NO3 - N Other	mg/kg	3	358	77.0		183	7.00		16900	1080	
NH4-N	mg/kg	2	36.3	13.3		614	289		108	6.75	
PO4 - P	mg/kg	10	1940	47.9		3040	88.8		2710	75.8	
SO4 - S	mg/kg	4	429	17.0		1150	89.5		1390	27.0	
Cl	%	22	0.475	0.025		0.160	0.024		3.02	0.185	
TKN	%	8	1.39	0.070		0.790	0.055		2.93	0.310	
N- Dry Comb.	%	61	1.49	0.049		0.810	0.038		3.95	0.070	
S- Dry Comb.	%	8	0.121	0.010		0.150	0.018		0.254	0.034	
Nitric / Perchloric											
P	%	28	0.286	0.008		0.380	0.015		0.425	0.016	
K	%	28	2.68	0.070		2.64	0.077		9.76	0.368	
Ca	%	28	0.258	0.012		1.92	0.040		1.27	0.043	
Mg	%	28	0.137	0.007		0.704	0.017		0.660	0.029	
S	%	27	0.111	0.011		0.155	0.009		0.247	0.011	
Na	%	22	0.005	0.001		0.035	0.003		0.090	0.003	
Al	mg/kg	18	15.2	1.84		39.2	4.77		89.9	5.14	
B	mg/kg	25	18.7	1.07		44.4	2.38		30.1	1.51	
Zn	mg/kg	28	12.9	1.15		58.1	1.89		41.9	1.80	
Mn	mg/kg	28	26.0	1.00		165	7.15		69.1	2.34	
Fe	mg/kg	28	38.1	2.45		46.7	4.56		185	16.0	
Cu	mg/kg	28	3.01	0.32		17.3	0.945		9.53	0.530	
Mo	mg/kg	10	1.22	0.154		0.334	0.044		0.420	0.058	
Nitric / Peroxide- MICROWAVE											
P	%	28	0.288	0.012		0.380	0.020		0.429	0.019	
K	%	29	2.70	0.130		2.66	0.128		9.93	0.520	
Ca	%	29	0.250	0.013		1.94	0.098		1.26	0.050	
Mg	%	29	0.130	0.006		0.677	0.037		0.640	0.031	
S	%	27	0.113	0.007		0.157	0.012		0.251	0.009	
Na	%	22	0.005	0.001		0.036	0.004		0.091	0.006	
Al	mg/kg	20	21.5	3.15		44.9	6.40		114	28.4	
B	mg/kg	28	20.0	1.95		46.0	1.67		31.5	1.10	
Zn	mg/kg	29	13.9	0.929		57.4	2.55		43.0	1.16	
Mn	mg/kg	29	27.0	1.39		165	8.05		70.0	3.00	
Fe	mg/kg	28	41.7	4.78		51.7	3.92		203	22.8	
Cu	mg/kg	29	3.46	0.460		18.0	1.00		9.65	0.550	
Mo	mg/kg	13	1.40	0.100		0.324	0.046		0.403	0.088	
Dry Ash											
P	%	12	0.278	0.010		0.365	0.023		0.410	0.028	
K	%	12	2.67	0.155		2.68	0.235		9.56	0.840	
Ca	%	12	0.240	0.015		1.92	0.155		1.21	0.070	

Mg	%	12	0.130	<i>0.010</i>	0.700	<i>0.055</i>	0.640	<i>0.035</i>
Na	%	10	0.011	<i>0.001</i>	0.041	<i>0.004</i>	0.101	<i>0.011</i>
Al	mg/kg	3	25.8	<i>5.60</i>	40.2	<i>3.22</i>	169	<i>17.0</i>
B	mg/kg	12	20.1	<i>2.69</i>	44.4	<i>3.70</i>	29.3	<i>2.45</i>
Zn	mg/kg	12	14.7	<i>2.11</i>	57.8	<i>4.90</i>	41.5	<i>4.35</i>
Mn	mg/kg	12	26.3	<i>1.76</i>	162	<i>11.3</i>	66.2	<i>6.29</i>
Fe	mg/kg	12	45.4	<i>8.97</i>	50.6	<i>4.50</i>	194	<i>26.8</i>
Cu	mg/kg	12	3.47	<i>0.720</i>	17.5	<i>1.56</i>	9.46	<i>1.54</i>
Mo	mg/kg	1	1.46	<i>0.000</i>	0.540	<i>0.000</i>	0.570	<i>0.000</i>