

Soil	Soil 01-106	Soil 01-107	Soil 01-108	Soil 01-109	Soil 01-110							
Analysis	Units	N	Median	MAD	Lab ¹	Median	MAD	Lab	Median	MAD	Lab	
Salinity												
Sat. Paste Moisture	%	35	33.0	2.1	44.7	2.0	36.3	1.3	23.1	1.6	32.6	1.4
pH - sp	Unit	41	7.70	0.17	6.32	0.18	5.21	0.09	5.55	0.15	7.64	0.14
Ece - sp	ds/m	39	1.22	0.15	1.59	0.20	0.28	0.04	0.21	0.04	1.03	0.11
HCO ₃ - sp	mmol/L	13	5.28	0.40	2.25	0.76	0.75	0.39	0.82	0.27	5.42	0.75
Ca - sp	mmol/L	35	6.36	0.94	10.8	1.73	1.03	0.27	0.36	0.16	4.60	0.60
Mg - sp	mmol/L	35	3.13	0.45	2.50	0.32	0.55	0.15	0.25	0.12	2.07	0.32
Na - sp	mmol/L	34	2.02	0.16	0.58	0.20	0.75	0.19	0.51	0.21	5.02	0.43
SAR - sp	value	34	0.94	0.09	0.23	0.11	0.84	0.26	0.96	0.34	2.8	0.12
Cl - sp	mmol/L	24	4.15	0.76	7.46	0.86	0.96	0.16	0.31	0.17	1.56	0.23
SO ₄ - sp	mmol/L	24	1.47	0.23	0.94	0.07	0.56	0.08	0.35	0.15	3.53	0.34
B - sp	mg/L	24	0.14	0.02	0.06	0.02	0.07	0.03	0.15	0.04	0.14	0.04
Soil EC												
Soil EC (1:1)	(dS/m)	34	0.38	0.06	0.49	0.09	0.09	0.02	0.07	0.02	0.33	0.07
Soil EC (1:2)	(dS/m)	55	0.27	0.04	0.38	0.07	0.06	0.01	0.04	0.01	0.28	0.04
Soil pH												
pH (1:1)	Unit	90	8.09	0.09	6.42	0.08	5.37	0.08	5.79	0.09	8.02	0.08
pH (1:2)	Unit	38	8.16	0.16	6.49	0.12	5.49	0.11	5.91	0.15	8.20	0.20
pH (1:1) 0.01M CaCl ₂	Unit	19	7.63	0.08	6.11	0.11	4.61	0.09	4.70	0.09	7.43	0.08
pH (1:2) 0.01M CaCl ₂	Unit	11	7.66	0.16	6.22	0.09	4.60	0.10	4.72	0.08	7.60	0.05
Buffer pH												
SMP Buffer pH	Unit	41	7.50	0.07	7.00	0.10	6.61	0.10	7.10	0.10	7.49	0.09
Adams-Evans Buf pH	Unit	14	7.84	0.07	7.65	0.05	7.51	0.07	7.81	0.02	7.82	0.02
Woodruff Buf. pH	Unit	11	7.08	0.02	6.84	0.05	6.56	0.06	6.81	0.04	7.06	0.04
Mehlich Buf. pH	Unit	2	6.77	0.02	6.36	0.04	6.10	0.04	6.40	0.00	6.75	0.01

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

Soil Analysis	Units	Median	MAD	Lab ¹	Median	MAD	Lab	Median	MAD	Lab	Median	MAD	Lab
N	Soil 01-106	Soil 01-107	Soil 01-108	Soil 01-109	Soil 01-110								
Nitrate (NO₃-N)													
Cd. Rd.	mg/kg	62	10.4	0.82	45.4	4.8	1.0	0.50	2.8	0.49	11.3	0.75	
ISE	mg/kg	23	10.0	1.2	35.8	6.8	2.4	1.1	4.0	1.5	11.6	2.6	
CTA	mg/kg	7	11.5	1.1	44.5	7.1	1.6	0.40	3.0	0.40	12.1	0.52	
Ion Chromatography	mg/kg	4	11.8	2.6	44.7	4.9	0.60	0.01	4.0	2.0	14.9	2.3	
Other	mg/kg	13	11.8	2.4	41.3	6.2	3.9	2.8	3.9	1.4	13.2	1.9	
NH ₄ - N (KCl Extr.)	mg/kg	49	24.0	2.8	10.7	2.5	11.0	2.0	6.3	1.4	2.9	0.91	
Phosphorus & Sulfur													
PO ₄ -P Bray P1 (1:10)	mg/kg	49	52.5	4.5	77.0	8.0	5.6	1.4	26.0	3.4	28.8	2.5	
PO ₄ -P Bray P1 (1:7)	mg/kg	12	48.4	6.5	71.0	5.5	4.8	1.8	22.7	1.7	25.3	1.3	
PO ₄ -P Olsen/Bicarb	mg/kg	66	25.2	2.0	35.0	6.0	4.0	1.0	13.0	1.0	16.3	1.5	
PO ₄ -P AB-DTPA	mg/kg	4	15.5	3.5	17.7	4.1	6.7	2.2	10.9	2.2	13.8	3.4	
PO ₄ -P M. Morgan	mg/kg	10	31.4	6.4	10.0	1.0	1.0	0.20	4.8	1.6	17.1	3.4	
PO ₄ -P M. Kewlona	mg/kg	4	34.8	0.8	60.0	2.5	2.3	0.70	16.5	1.5	24.5	2.5	
PO ₄ -P Strg Bray P-2	mg/kg	3	122	13	91.0	14	5.5	1.0	30.5	6.0	123	29	
SO ₄ -S (PO ₄ Extr.)	mg/kg	49	9.9	1.3	7.0	1.5	5.0	1.9	3.0	1.4	17.8	5.4	
Ammonium Ace. Bases													
K	mg/kg	94	432	37	243	43	57	7	203	30	254	21	
Ca	mg/kg	89	1970	171	1240	210	398	38	204	45	3420	385	
Mg	mg/kg	89	351	29	103	18	93	8	51	7	360	31	
Na	mg/kg	70	46	8.0	17	7.6	19	5.9	12	5.0	146	17.7	
K - Bray (1:10)	mg/kg	4	356	30	188	22	52	12	221	17	194	17	
K - Bicarb.	mg/kg	7	338	16	288	25.5	61	5	182	6	221	5	
K Modified Morgan	mg/kg	6	336	37	270	34	57	5	179	10	216	13	
Ca Modified Morgan	mg/kg	4	2605	160	1792	153	422	48	195	34	4655	265	
Al KCL Extr.	mg/kg	9	0.34	0.29	0.70	0.60	20.5	3.5	2.8	1.8	0.60	0.55	

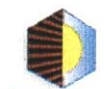
1 - Values flagged exceed Warning Limits *** based on 2.5 x MAD (Median Absolute Deviation) and Control Limits *** based on 4 x MAD.

Soil	Soil 01-106	Soil 01-107	Soil 01-108	Soil 01-109	Soil 01-110							
Analysis	Units	N	Median	MAD	Lab ¹	Median	MAD	Lab	Median	MAD	Lab	
Mehlich-1 Multi Element												
Soil Scoop Mass	g	11	5.11	0.11	4.4	0.8	5.0	0.4	6.0	1.0	5.0	0.3
P	mg/kg	13	93.1	4.6	53.0	12.6	3.0	1.0	18.6	2.4	58	14.2
K	mg/kg	13	299	18.8	263	30.9	43	4.5	141	6.1	147	12.7
Ca	mg/kg	13	2119	158	1739	222	342	13	143	17	4041	336
Mg	mg/kg	13	348	20.0	176	36	88	3.6	36	6	378	45
Zn	mg/kg	12	2.53	0.21	1.63	0.37	0.64	0.11	2.05	0.26	2.16	0.28

Mehlich-3 Multi-Element

Soil Scoop Mass	g	41	2.43	0.43	1.50	0.50	2.08	0.34	2.74	0.74	2.08	0.42
Scoop Volume	mL	18	2.00	0.50	2.00	0.50	2.00	0.50	2.00	0.50	2.00	0.50
P Colorimetric												
P	mg/kg	18	66.7	5.9	80.0	9.0	5.0	2.0	25.3	1.3	35.0	2.5
P ICP	mg/kg	35	74.7	6.7	95.0	6.1	9.0	1.5	33.0	3.0	41.0	4.0
K	mg/kg	49	504	45	247	34	58	8.0	242	26	277	23
Ca	mg/kg	45	2570	212	1370	179	391	39	213	38	4290	334
Mg	mg/kg	45	457	32	117	16	102	8.0	59	10	441	25
Na	mg/kg	24	48	4.6	14	4.2	18	3.5	11.9	5.6	152	12.6
S	mg/kg	22	17.3	2.7	17.6	2.6	15.8	2.4	7.2	2.5	30.9	5.9
Al	mg/kg	19	400	39	1020	93	821	92	256	36	481	109
Zn	mg/kg	39	3.80	0.40	1.89	0.28	0.80	0.20	2.97	0.43	3.60	0.46
Mn	mg/kg	38	84.5	7.7	217	22	122	11.5	25	2.6	55.3	6.2
Fe	mg/kg	36	59	9	149	17	132	16.0	73	8.9	101	11.5
Cu	mg/kg	38	1.91	0.31	0.90	0.22	0.72	0.17	0.30	0.13	2.34	0.24
B	mg/kg	30	1.22	0.22	0.53	0.13	0.30	0.09	0.23	0.07	0.80	0.10

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



Soil	Soil 01-106	Soil 01-107	Soil 01-108	Soil 01-109	Soil 01-110							
Analysis	Units	N	Median	MAD	Lab ¹	Median	MAD	Lab	Median	MAD	Lab	
Micronutrients												
Zn - DTPA	mg/kg	82	1.12	0.15	0.52	0.12	0.40	0.07	1.40	0.20	1.35	0.13
Mn - DTPA	mg/kg	72	3.5	1.1	40.1	7.6	76.1	7.8	15.8	3.0	10.1	1.0
Fe - DTPA	mg/kg	75	4.8	1.2	17.4	3.1	43.8	5.7	23.2	4.2	16.5	1.8
Cu - DTPA	mg/kg	75	0.79	0.09	0.40	0.10	0.50	0.07	0.30	0.07	1.20	0.14
Zn - HCl	mg/kg	8	3.54	0.50	1.85	0.35	0.85	0.20	3.29	0.32	4.10	0.11
Mn-H ₃ PO ₄	mg/kg	9	16.2	2.07	76.9	7.2	72.7	5.3	14.6	2.39	17.4	1.7
Cl - Ca(NO ₃) ₂ Extr.	mg/kg	20	52.2	8.4	97.1	21.9	10.1	1.5	2.0	0.8	16.8	2.6
B - Hot Water	mg/kg	61	0.64	0.20	0.38	0.12	0.30	0.10	0.20	0.10	0.50	0.13
B - DTPA-Sorb	mg/kg	9	0.67	0.13	0.21	0.12	0.19	0.12	0.15	0.13	0.41	0.11
Soil Organic Matter												
Soil Kjeldahl N	%	29	0.075	0.006	0.140	0.020	0.098	0.010	0.030	0.005	0.065	0.011
Soil TN (combustion)	%	32	0.080	0.009	0.149	0.016	0.100	0.010	0.032	0.008	0.070	0.011
Soil TOC (combustion)	%	24	0.66	0.03	1.46	0.03	1.08	0.03	0.34	0.03	0.69	0.04
SOM - Walkley-Black	%	56	1.11	0.11	2.31	0.41	1.90	0.20	0.63	0.13	1.10	0.15
SOM - LOI (Raw Values)	%	73	1.40	0.20	3.30	0.40	2.27	0.17	0.62	0.09	1.70	0.20
CaCO ₃ Content	%	19	0.80	0.20	0.40	0.24	0.10	0.14	0.18	0.20	1.45	0.45
Soil CEC	cmol/kg	31	10.6	1.1	11.5	2.2	7.0	1.6	2.5	0.6	12.5	1.7
Particle Size Analysis												
Sand 2000 - 50 um	%	49	72.0	2.5	15.0	4.2	28.0	3.0	92.0	1.4	46.0	3.9
Silt 50 - 2 um	%	49	12.3	1.6	56.6	6.4	58.2	2.8	3.8	1.3	43.8	3.3
Clay 2 - 0 um	%	49	16.0	1.9	26.6	4.8	13.2	2.6	4.0	1.6	11.0	2.6

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