

Soil	Soil 00-116	Soil 00-117	Soil 00-118	Soil 00-119	Soil 00-120							
Analysis	Units	N	Median	MAD	Lab ¹	Median	MAD	Lab	Median	MAD	Lab	
Salinity												
Sat. Paste Moisture	%	30	22.5	1.6	41.0	2.1	22.4	1.2	39.6	2.7	41.8	3.2
pH - sp	Unit	39	4.11	0.10	5.35	0.15	5.40	0.10	6.40	0.14	5.87	0.17
Ece - sp	dS/m	42	0.88	0.10	0.41	0.08	0.52	0.07	1.00	0.18	0.46	0.16
HCO ₃ - sp	mmol/L	11	1.62	0.55	1.30	0.43	0.80	0.53	1.90	0.33	1.39	0.39
Ca - sp	mmol/L	34	4.46	0.52	1.92	0.34	1.27	0.27	6.21	0.93	2.89	0.84
Mg - sp	mmol/L	34	1.86	0.27	0.90	0.16	0.75	0.16	3.05	0.42	1.12	0.39
Na - sp	mmol/L	34	0.62	0.29	0.93	0.21	0.44	0.16	0.91	0.17	0.51	0.19
SAR - sp	value	31	0.34	0.15	0.80	0.22	0.40	0.20	0.42	0.10	0.40	0.10
Cl - sp	mmol/L	20	0.40	0.16	0.70	0.30	0.80	0.14	0.32	0.10	0.38	0.14
SO ₄ - sp	mmol/L	22	2.17	0.47	1.46	0.66	0.66	0.15	0.79	0.17	0.95	0.16
B - sp	mg/L	20	0.13	0.03	0.22	0.06	0.11	0.02	0.10	0.03	0.30	0.13
Soil EC												
Soil EC (1:1)	(dS/m)	31	0.23	0.03	0.12	0.03	0.12	0.02	0.41	0.07	0.25	0.04
Soil EC (1:2)	(dS/m)	47	0.20	0.04	0.14	0.05	0.10	0.03	0.26	0.04	0.15	0.03
Soil pH												
pH (1:1)	Unit	89	4.27	0.07	5.32	0.09	5.65	0.06	6.57	0.07	6.00	0.08
pH (1:2)	Unit	32	4.36	0.08	5.40	0.10	5.80	0.10	6.62	0.13	6.11	0.10
pH (1:1) 0.01M CaCl ₂	Unit	19	3.85	0.15	4.71	0.12	4.95	0.08	6.20	0.08	5.52	0.08
pH (1:2) 0.01M CaCl ₂	Unit	9	3.86	0.08	6.40	1.29	5.04	0.04	6.27	0.04	5.57	0.07
Buffer pH												
SMP Buffer pH	Unit	68	6.30	0.15	6.36	0.10	7.20	0.09	7.04	0.06	6.59	0.09
Adams-Evans Buf pH	Unit	10	7.34	0.04	7.51	0.14	7.82	0.01	7.62	0.02	7.41	0.07
Woodruff Buf. pH	Unit	16	6.15	0.12	6.35	0.15	6.80	0.03	6.82	0.02	6.50	0.09

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 00-116	Soil 00-117	Soil 00-118	Soil 00-119	Soil 00-120							
Analysis	Units	Median	MAD	Lab ¹	Median	MAD	Lab	Median	MAD	Lab		
Nitrate (NO₃-N)												
Cd. Rd.	mg/kg	54	10.0	1.5	2.8	0.8	9.0	1.0	51.8	3.9	22.0	1.8
ISE	mg/kg	26	11.3	2.3	3.8	0.7	8.9	1.6	47.6	7.1	20.0	1.9
CTA	mg/kg	6	10.5	0.6	5.0	1.2	8.1	0.9	50.5	1.5	23.0	2.0
Ion Chromatography	mg/kg	2	14.1	5.7	6.3	4.7	12.9	4.8	77.7	6.15	31.2	7.0
Other	mg/kg	11	10.9	3.2	5.0	3.0	9.9	2.4	56.5	5.3	23.5	3.2
NH ₄ - N (KCl Extr.)	mg/kg	44	9.1	1.8	6.5	0.9	4.7	1.0	7.3	1.3	11.0	1.4
Phosphorus & Sulfur												
PO ₄ -P Bray P1 (1:10)	mg/kg	53	41.0	3.0	12.0	2.0	33.0	2.0	33.0	3.0	28.0	3.0
PO ₄ -P Bray P1 (1:7)	mg/kg	12	35.0	6.0	10.0	2.1	24.5	5.5	23.0	3.8	21.5	3.3
PO ₄ -P Olsen/Bicarb	mg/kg	62	18.0	1.8	8.0	1.5	14.2	1.8	18.5	2.5	15.0	2.1
PO ₄ -P AB-DTPA	mg/kg	3	15.7	9.3	10.8	1.7	11.4	0.7	12.5	1.4	10.8	2.8
PO ₄ -P M. Morgan	mg/kg	10	5.5	1.4	2.8	1.8	5.0	1.2	8.5	2.0	5.2	1.5
PO ₄ -P M. Kewlona	mg/kg	4	25.6	2.7	11.2	6.5	20.4	2.0	22.8	5.4	18.7	4.1
SO ₄ -S (PO ₄ Extr.)	mg/kg	47	15.1	5.1	10.1	3.1	4.0	1.9	6.0	2.0	6.8	1.8
Ammonium Ace. Bases												
K	mg/kg	89	165	10	90	9.0	274	26	237	22	216	17.0
Ca	mg/kg	81	332	72	486	53	353	43	2883	266	2970	225
Mg	mg/kg	81	61	12	61	9	87	11	495	35	388	29
Na	mg/kg	61	13	7.0	20	7.3	13	6.8	31	7.0	22	7.5
K-Bicarb.	mg/kg	6	141	9.5	95	0.5	260	6	185	3.5	176	8.5
K Modified Morgan	mg/kg	6	132	23	86	5.0	234	23	189	53	181	48
Ca Modified Morgan	mg/kg	5	303	48	552	16	340	42	3644	280	3412	333
Al KCl Extr.	mg/kg	8	106	14	17	4.5	2.5	1.5	1.1	0.42	1.1	0.44

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 00-116	Soil 00-117	Soil 00-118	Soil 00-119	Soil 00-120							
Analysis	Units	N	Median	MAD	Lab ¹	Median	MAD	Lab	Median	MAD	Lab	
Mehlich-1 Multi Element												
Soil Scoop Mass	g	9	6.0	1.0	4.6	0.4	5.8	0.8	5.0	0.0	5.0	0.3
P	mg/kg	10	19.7	0.9	7.4	2.4	37.7	3.1	35.1	1.8	20	2.0
K	mg/kg	9	108	5.0	82	4.3	198	14.3	132	10.0	125	19.7
Ca	mg/kg	9	248	26	520	55	305	27	2607	66	2700	122
Mg	mg/kg	9	48	5.1	59	2.1	70	7.6	403	32	312	39
Zn	mg/kg	8	1.04	0.08	4.01	0.45	0.87	0.07	2.41	0.28	5.1	0.43
Mehlich-3 Multi-Element												
Soil Scoop Mass	g	35	2.62	0.77	2.00	0.55	2.51	0.91	2.27	0.45	2.08	0.53
Scoop Volume	mL	20	1.14	0.14	1.14	0.14	1.14	0.14	1.14	0.14	1.14	0.14
P	mg/kg	43	50.0	9.0	19.6	7.6	34.0	3.0	39.0	3.0	40.5	5.9
K	mg/kg	43	186	14	94	10.6	320	23	249	12	225	14
Ca	mg/kg	39	368	61	550	79	410	46	3277	237	3190	182
Mg	mg/kg	39	73.0	9.5	73	10.5	104	12.0	552	54	415	36
Na	mg/kg	20	12.3	5.1	24.9	9.7	8.5	2.8	29.5	3.1	24.5	4.5
Al	mg/kg	17	831	109	1017	231	265	33	475	39	644	40
Zn	mg/kg	33	1.43	0.13	4.58	0.42	1.34	0.29	3.90	0.40	8.00	0.81
Mn	mg/kg	31	78.7	10.4	155	51.5	69.0	7.8	153	21.1	55.0	6.0
Fe	mg/kg	30	143	22.1	147	32.5	75.3	10.2	135	15	183	16.5
Cu	mg/kg	32	3.40	0.43	1.14	0.27	0.70	0.12	2.51	0.26	1.99	0.20
B	mg/kg	27	0.30	0.10	0.73	0.30	0.28	0.08	1.50	0.26	1.20	0.16

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 00-116	Soil 00-117	Soil 00-118	Soil 00-119	Soil 00-120									
Analysis	Units	N	Median	MAD	Lab ¹	Median	MAD	Lab	Median	MAD	Lab	Median	MAD	Lab
Micronutrients														
Zn - DTPA	mg/kg	79	0.95	0.18	2.45	0.25	0.83	0.13	1.64	0.23	5.26	0.59		
Mn - DTPA	mg/kg	70	55.8	7.8	36.8	3.9	28.4	3.4	28.4	3.1	43.9	6.0		
Fe - DTPA	mg/kg	72	54.4	8.5	36.2	8.7	20.0	4.0	34.2	6.2	82.4	9.0		
Cu - DTPA	mg/kg	72	2.51	0.30	0.56	0.08	0.58	0.09	0.98	0.08	0.97	0.16		
Zn - HCl	mg/kg	5	1.50	0.20	5.00	0.30	1.40	0.10	4.90	1.10	8.70	1.90		
Mn-H ₃ PO ₄	mg/kg	8	47.8	9.00	38.9	4.4	26.2	3.1	28.5	2.70	31.9	1.2		
Cl - Ca(NO ₃) ₂ Extr.	mg/kg	20	6.3	2.1	7.5	2.0	7.5	1.6	5.6	1.5	4.0	1.3		
B - Hot Water	mg/kg	54	0.30	0.11	0.60	0.16	0.21	0.09	0.78	0.19	1.10	0.20		
B - DTPA-Sorb	mg/kg	8	0.22	0.09	0.36	0.13	0.17	0.04	0.42	0.09	0.39	0.09		
Soil Organic Matter														
Soil Kjeldahl N	%	28	0.050	0.010	0.151	0.020	0.030	0.004	0.215	0.015	0.263	0.023		
Soil TN (combustion)	%	28	0.056	0.014	0.169	0.018	0.034	0.009	0.245	0.020	0.274	0.019		
Soil TOC (combustion)	%	16	0.49	0.02	2.35	0.10	0.29	0.03	2.72	0.03	3.30	0.10		
SOM - Walkley-Black	%	50	1.00	0.20	3.84	0.56	0.60	0.14	4.40	0.63	5.40	0.70		
SOM - LOI (Raw Values)	%	68	0.99	0.09	3.85	0.38	0.60	0.10	4.65	0.35	5.65	0.55		
CaCO ₃ Content	%	7	0.2	0.09	0.76	0.57	0.19	0.07	0.80	0.39	0.59	0.34		
Soil CEC	cmol/kg	29	5.7	1.1	8.3	1.4	3.6	0.5	20.7	1.3	23.5	3.2		
Particle Size Analysis														
Sand 2000 - 50 um	%	47	60.0	2.9	39.0	3.9	85.0	2.0	47.8	2.9	42.0	3.0		
Silt 50 - 2 um	%	47	27.5	2.8	48.0	4.6	8.3	1.7	32.0	4.0	38.0	4.0		
Clay 2 - 0 um	%	47	12.2	1.8	12.0	2.0	6.7	1.7	19.5	4.0	20.0	5.0		

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